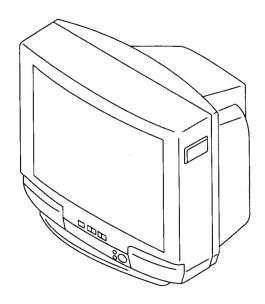
KV-T25L1/T25MF1/T25MN1 KV-T25MN11/T25SF1/T25SF11

SERVICE MANUAL





ME Model

KV-T25L1 Chassis No. SCC-H45E-A KV-T25MF1 Chassis No. SCC-H45B-A KV-T25MN11 Chassis No. SCC-H45F-A

Thailand Model

KV-T25MF1 Chassis No. SCC-H85A-A

Ausutralian Model

KV-T25SF1 Chassis No. SCC-H84A-A

Newzealand Model

KV-T25SF11 Chassis No. SCC-H86A-A

Hongkong Model

KV-T25MN1 Chassis No. SCC-H72B-A

BG-1S CHASSIS

MODEL OF THE SAME SERIES					
KV-T25L1/T25MF1/T25MN1 KV-T25MN11/T25SF1/T25SF11					



TRINITRON. COLOR TV

SPECIFICATIONS

		Note
Power requirements	110-240 V AC, 50/60 Hz	
Power consumption (W)	Indicated on the rear of the TV	
Television system	B/G, I, D/K, M	KV-T25MF1/T25MN11
	B/G	KV-T25L1/T25SF1/T25SF11
Color system	PAL, PAL60, SECAM, NTSC4.43, NTSC3.58	KV-T25MF1/T25MN11
	PAL, PAL60, SECAM, NTSC4.43	KV-T25L1
	PAL, PAL60, NTSC4.43, NTSC3.58	KV-T25SF1/T25SF11
Stereo system	NICAM Stereo B/G, I; A2 Stereo (German) B/G	KV-T25MN11 only
Channel coverage B/G	VHF: E2 to E12/UHF: E21 to E69/CATV: S01 to S03, S1 to S41	KV-T25L1/T25MF1/T25MN1
	VHF: 0 to 12, 5A, 9A/UHF: 28 to 69/CATV: S01 to S03, S1 to S41	KV-T25SF1
	VHF: 1 to 11/UHF: 21 to 69/CATV: S01 to S03, S1 to S41	KV-T25SF11
1	UHF: B21 to B68/CATV: S01 to S03, S1 to S41	
D/K	VHF: C1 to C12, R1 to R12/UHF: C13 to C57, R21 to R60/ CATV: S01 to S03, S1 to S41, Z1 to Z39	
M	VHF: A2 to A13/UHF: A14 to A79/ CATV: A-8 to A-2, A to W+4, W+6 to W+84	
Audio output (speaker)	5W×2	
Inputs	Antenna: 75 ohms	
	VIDEO INPUT jacks: phono jacks Video: 1 Vp-p, 75 ohms Audio: 500 mVrms, high impedance	
Outputs	Headphone jack: mini jack	
	Earphone jack: mini jack	KV-T25L1 only
	MONITOR OUT jacks: phono jacks Video: 1 Vp-p, 75 ohms Audio: 500 mVrms	
Picture tube	25 in.	
Tube size (cm)	64	Measured diagonally
Screen size (cm)	60	Measured diagonally
Dimensions (w/h/d, mm)	613 × 542 × 472	
Mass (kg)	32	

Design and specifications are subject to change without notice.

CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

SAFETY-RELATED COMPONENT WARNING!!

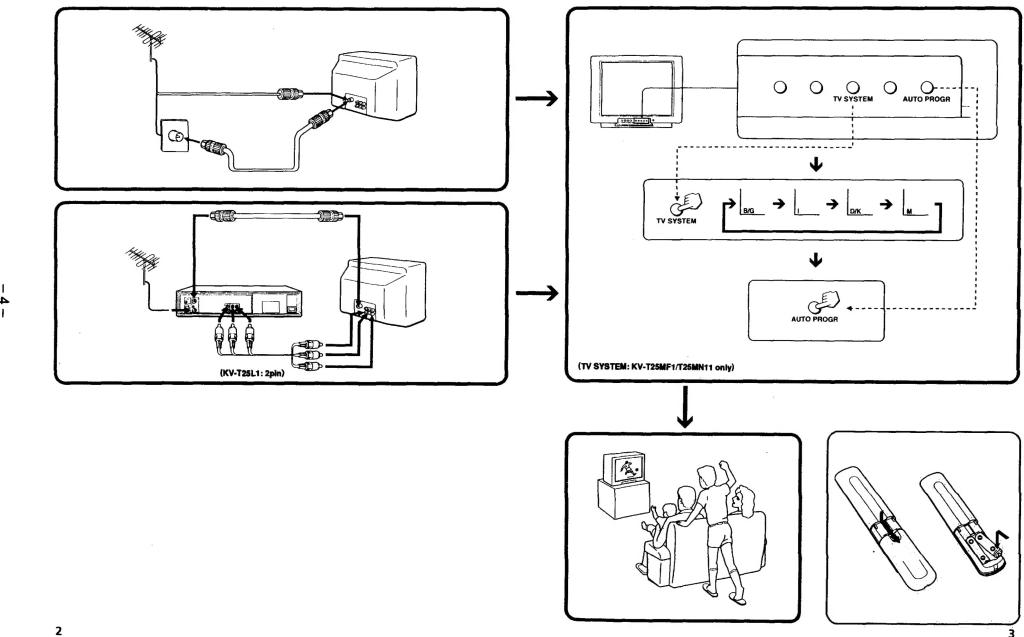
COMPONENTS IDENTIFIED BY SHADING AND MARK A ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

TABLE OF CONTENTS

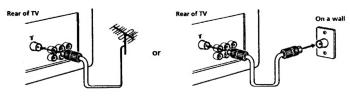
Sec	ction	Title	Page	Section	<u>Title</u>	<u>Page</u>
1.	GENI	ERAL ·····	• 4	5. DIAC 5-1.	GRAMS Block Diagrams	25
2.	DISA	SSEMBLY	•	5-2.	Circuit Boards Location · · · · · · ·	29
	2-1.	Rear Cover Removal · · · · · · · · · · · · · · · · · · ·	· 10			
	2-2.	A Board Removal · · · · · · · · · · · · · · · · · · ·	· 10			
	2-3.	Service Position · · · · · · · · · · · · · · · · · · ·				
	2-4.	Replacement of Parts · · · · · · · · · · · · · · · · · · ·				
	2-5.	Demagnetization Coil Removal · · · · · · · · · · · · · · · · · · ·	· 12			
	2-6.	Picture Tube Removal · · · · · · · · · · · · · · · · · · ·	• 13			
3.	SET-	UP ADJUSTMENTS				
	3-1.	Beam Landing				
	3-2.	Convergence · · · · · · · · · · · · · · · · · · ·				
	3-3.	Focus Adjustment · · · · · · · · · · · · · · · · · · ·	· 17			
	3-4.	G2 (Screen) and White Balance Adjustments · · ·	· 18			
4.	CIRC	CUIT ADJUSTMENTS				
	4-1.	Adjustments with Commander · · · · · · · · · · · · · · · · · · ·				
	4-2.	Adjustment Method · · · · · · · · · · · · · · · · · · ·	· 20			
	4-3.	A Board Adjustment after IC003 (Memory)				
		Replacement · · · · · · · · · · · · · · · · · · ·				
	4-4.	Picture Distortion Adjustment · · · · · · · · · · · · · · · · · · ·	· 23			

SECTION 1 GENERAL

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.



Attach an optional IEC antenna connector to the 75-ohm coaxial cable. Plug the connector into the T (antenna) socket at the rear of the TV.

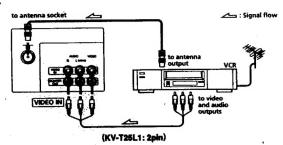


Connecting optional equipment

You can connect optional audio/video equipment to your TV such as a VCR, multi disc player, camcorder, video game or stereo system.

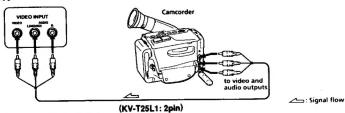
Connecting video equipment using video input jacks

Rear of TV



When connecting a monaural VCR Connect the yellow plug to VIDEO and the black plug to AUDIO-L (MONO).

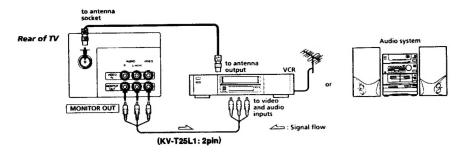
Front of TV



When using the video input jacks

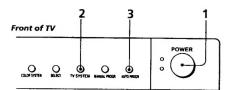
Do not connect video equipment to the video input jacks at the front and the rear of your TV simultaneously; otherwise the picture will not be displayed properly on the screen.

Connecting audio/video equipment using MONITOR OUT jacks



When recording through the MONITOR OUT jacks

If you change the channel or video input while recording with a VCR, the channel or video input you are recording also will be changed.



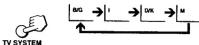
1 Press POWER.

0

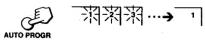


When the TV is in standby mode after pressing POWER, press POWER on the remote commander.

2 Press TV SYSTEM until your local TV system appears. (KV-T25MF1/T25MN11 only)



3 Press AUTO PROGR.



To start presetting channels automatically from the specified program position

- 1 Press MANUAL PROGR.
- 2 Press TV SYSTEM to select your local TV system. (KV-T25MF1/T25MN11 only)
- 3 Press PROGR +/- to select the program position.
- 4 Press AUTO PROGR.
- 6-EN | Getting Started

Presetting channels manually

To change the channel for a particular program position or to receive a channel with a weak signal, preset the channel manually.

- 1 Press MANUAL PROGR.
- 2 Press PROGR +/- until the required program position appears on the screen.
- 3 Press TV SYSTEM until your local TV system appears. (KV-T25MF1/T25MN11 only)
- 4 Press VOLUME +/- on the TV until the required channel picture appears on the screen.
- **5** Press MANUAL PROGR.

If the TV system is not properly selected

The color of the picture may be poor and/or the sound may be noisy. In this case, select the appropriate TV system. (KV-T25MF1/T25MN11 only)

- 1 Press PROGR +/- to select the program position.
- 2 Press TV SYSTEM until the picture and sound become normal.

Notes (KV-T25MF1/T25MN11 only)

- · If you do not know your local TV system, consult your nearest authorized service center or dealer.
- · The setting of the TV SYSTEM is memorized for each program

Disabling program positions

By disabling unused or unwanted program positions, you can skip those positions when you press PROGR

- 1 Press PROGR +/- until the unused or unwanted program position appears on the
- 2 Press MANUAL PROGR.
- 3 Press PIC MODE on the remote commander.
- 4 Press MANUAL PROGR.

To cancel the skip setting

Preset the channel manually or automatically again.

Watching the TV

1 Press POWER to turn the TV on.

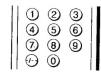


When the TV is in standby mode after pressing POWER, press POWER on the remote commander.

2 Select the TV channel you want to watch.

To select a channel directly

Press a number button.



To select a two-digit channel, press "-/--" before the number buttons.

For example: to select channel 25, press "-/--," and then "2" and "5."



To scan through channels

Press PROGR +/- until the channel you want appears.



3 Press VOL +/- to adjust the volume.



Switching off the TV

To switch off the TV temporarily, press POWER on the remote commander.



To switch off the TV completely, press POWER on the

If the power on the TV is turned off in standby mode, the STANDBY indicator may remain alight for a while.



Watching the video input

Press VIDEO/HOLD.

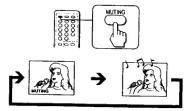


To watch TV, press TV.

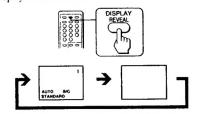


Muting the sound

Press MUTING.



The program position, local system, and TV settings are displayed on the screen.

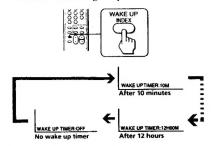


Setting the Wake Up Timer

You can set the TV to turn on automatically after the period of time you want.

1 Press WAKE UP/INDEX repeatedly to set the

The on-screen display appears and the WAKE UP/ STEREO indicator lights up.



- 2 If you want a particular TV program or video input to be displayed using the Wake Up Timer, select the TV program or video mode.
- 3 Press POWER on the remote commander or set the Sleep Timer to turn off the TV in standby mode.

To cancel the Wake Up Timer, press WAKE UP/ INDEX repeatedly until "WAKE UP TIMER: OFF" appears, or turn off the main power of the TV.

Notes

- . The Wake Up Timer starts immediately after the on-screen display disappears.
- . The last TV program position or video mode just before the TV

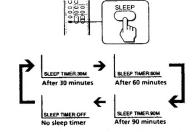
turns into standby mode will appear when the TV turns on using the Wake Up Timer.

• If no buttons or controls are pressed for more than two hours after the TV is turned on using the Wake Up Timer, the TV automatically turns into standby mode. When you want to continue watching the TV, press any button or control on the TV or remote commander.

Setting the Sleep Timer

You can set the TV to turn off automatically after the period of time you want.

Press SLEEP.



To cancel the Sleep Timer, press SLEEP repeatedly until "SLEEP TIMER: OFF" appears, or turn the TV off.

Changing the on-screen display language

If you prefer Chinese to English, you can change the on-screen display language. You can use buttons on both the remote commander and the TV.



1 Press SELECT until the screen appears as follows:



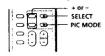
2 Press + or – to select "中文".



Note

 You can also use VOLUME +/- on the TV to select the onscreen display language.

Adjusting the picture and sound

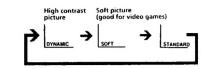


Selecting the picture mode

Press PIC MODE until the mode you want appears.



Each time you press PIC MODE, the screen changes as follows:



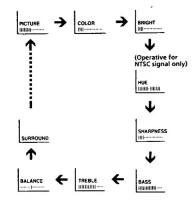
· If you change the picture mode after the following adjustments, the adjustment changes in accordance with the picture mode.

Adjusting the picture and sound settings

1 Press SELECT until the item you want to adjust appears.



Each time you press SELECT, the screen changes as



2 Press + or - to adjust the item.



3 To adjust other items, repeat steps 1 and 2. (TV SYSTEM: KV-T25MF1/T25MN11 only)

• You can also use VOLUME +/- on the TV to adjust the picture and sound settings.

If the color of the picture is abnormal

Press TV SYSTEM or COLOR SYSTEM or adjust the color setting until the color becomes normal.

Normally set COLOR SYSTEM to AUTO.

If the sound is distorted or noisy

When receiving programs through the T terminal: Press TV SYSTEM until the sound becomes clear.

Front of TV



Selecting a stereo or bilingual program

Press A/B/ENLARGE repeatedly until you receive the sound you want.

The on-screen display changes corresponding to the selected sound and the WAKE UP/STEREO indicator also lights up.



When receiving a NICAM program

Broadcasting		reen display cted sound)
NICAM stereo	NICAM →(Stereo sound)~	NICAM MONO (Regular sound)
NICAM bilingual	NICAM MAIN (Main sound)	NICAM NICAM SUB → MONO (Sub sound) (Regular sound)
NICAM monaural	NICAM MAIN (Main sound)	NICAM MONO (Regular sound)

When receiving a A2 (German) program

Broadcasting	On-screen display (Selected sound)
A2 (German) stereo	STEREO (Stereo sound)
A2 (German) bilingual	STEREO STEREO MAIN SUB (Main sound) (Sub sound)

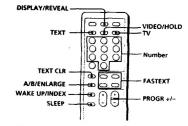
Receiving area for NICAM and A2 (German)

System	Receiving area
NICAM	Hong Kong, Singapore, New Zealand, etc.
A2 (German)	Australia, Malaysia, Thailand, etc.

- If the signal is very weak, the sound becomes monaural automatically
- If the stereo sound is noisy, select "regular sound." The sound becomes monaural, however, the noise will be reduced.

(KV-T25MN11/T25SF11 only)

Viewing Teletext



Displaying Teletext

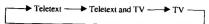
- 1 Select a TV channel which carries the Teletext broadcast you want to watch.
- 2 Press TEXT to display the Teletext. A Teletext page is displayed (normally the index page). If there is no Teletext broadcast, 100 is displayed at the top left corner of the screen.

To cancel the Teletext display, press TV.

Superimposing a Teletext page on the TV picture

Press TEXT

Each time you press TEXT, the screen changes as



Checking the contents of a Teletext service (INDEX)

Press WAKE UP/INDEX to display an overview of the Teletext contents and page numbers.

Using FASTEXT

This feature allows you to quickly access a Teletext page that uses FASTEXT. When a FASTEXT page is broadcasted, a color-coded menu appears at the bottom of the screen. The colors of the menu correspond to the RED, GREEN, YELLOW, and CYAN buttons on the remote commander.

Press the color button which corresponds to the colorcoded menu.

The page is displayed after a few seconds.

Selecting a Teletext page

To input the three-digit page number of the Teletext page, press the number buttons.

If you make a mistake, key in the correct page number again.

To access the next or previous page, press PROGR +/-.

Holding a Teletext page (subpage)

Press VIDEO/HOLD.

The HOLD symbol "" is displayed at the top left corner of the screen.

To resume normal Teletext operation, press VIDEO/ HOLD again or TEXT.

Revealing concealed information

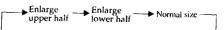
Press DISPLAY/REVEAL.

To conceal the information, press DISPLAY/REVEAL again.

Enlarging the Teletext display

Press A/B/ENLARGE.

Each time you press A/B/ENLARGE, the Teletext display changes as follows:



Waiting for a Teletext page while watching a TV program (TEXT CLEAR)

- 1 Key in the page number of the Teletext that you want to refer, then press TEXT CLR.
- When the page number is displayed on the screen, press TEXT to switch the Teletext on.

If the problem persists, contact your nearest authorized service center or dealer.

Snowy picture Noisy sound





- Check the antenna.
- → Check the antenna connection on the TV and on the wall.
- → Check the TV SYSTEM setting. (KV-T25MF1/T25MN11 only)

Dotted lines or stripes



→ This may be caused by local interference (e.g. cars, neon signs, hair dryers, etc.). * Adjust the antenna for minimum interference.

Double images or "ghosts"



→ This may be caused by reflections from nearby mountains or buildings. A highly directional antenna may improve the picture.

Note on the remote commander

• The supplied remote commander is used on several models of the TV. If you do not find instructions for some controls that are on the remote commander, that means your TV does not employ the features of those controls, e.g. TEXT.

Good picture Noisy sound





→ Check the TV SYSTEM setting. (KV-T25MF1/T25MN11 only)

No picture No sound





- → Press POWER.
- → Check the antenna connection.
- → Check the VCR connections.
- Check the power cord connection.
- → Check the standby mode.

Good picture No sound





- → Press VOLUME +.
- → Press MUTING.

No color

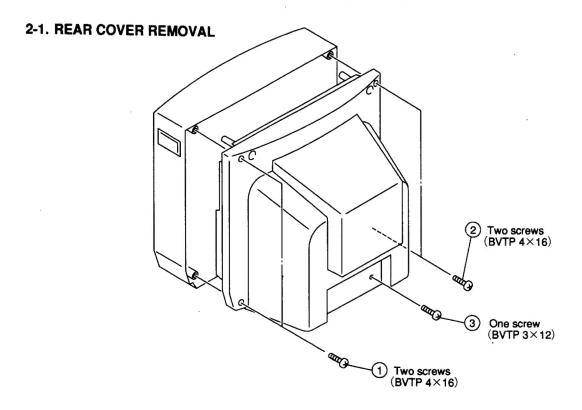


- → Adjust the COLOR level in the on-screen
- → Check the COLOR SYSTEM setting.

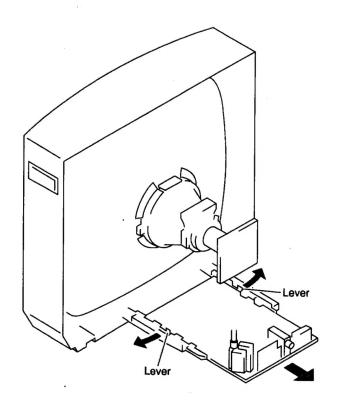
TV cabinet creaks

→ Even if the picture or the sound is normal, changes in the room temperature sometimes make the TV cabinet expand or contract, making a noise. This does not indicate a malfunction.

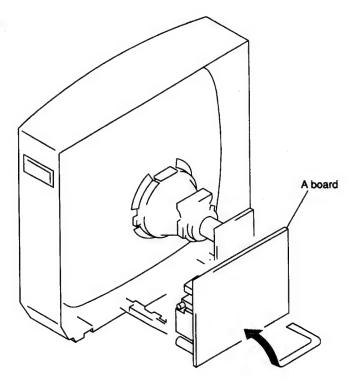
SECTION 2 DISASSEMBLY



2-2. A BOARD REMOVAL



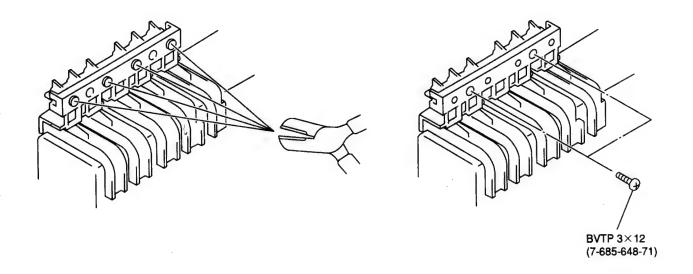
2-3. SERVICE POSITION



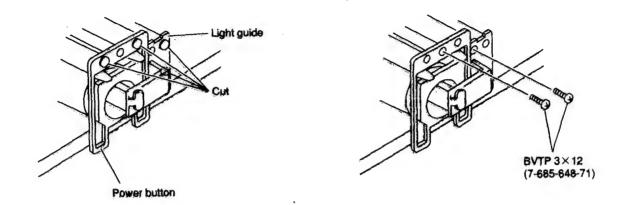
2-4. REPLACEMENT OF PARTS

For replacement of the Multi Button, Power Button and Light Guide, cut the welded portions from them, exchange with the new parts, and fix them with screws (+BVTP) respectively.

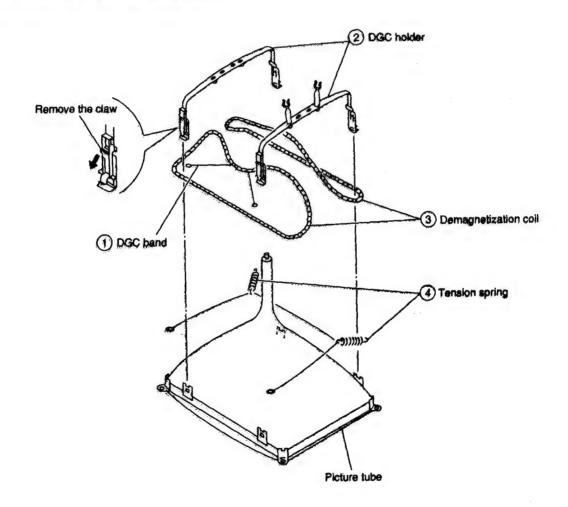
2-4-1. REPLACEMENT OF MULTI BUTTON

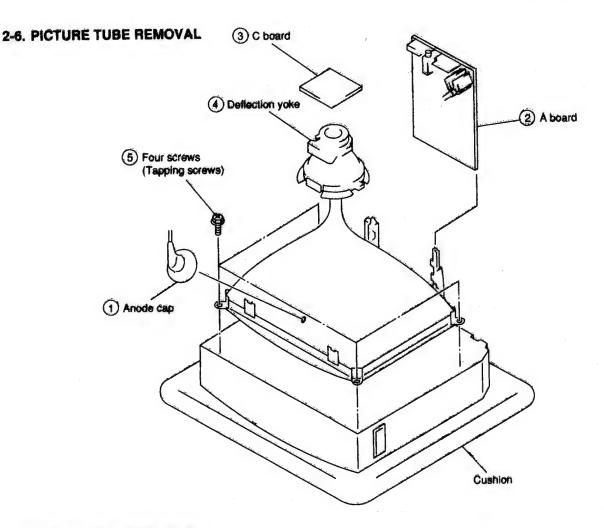


2-4-2. REPLACEMENT OF LIGHT GUIDE, POWER BUTTON



2-5. DEMAGNETIZATION COIL REMOVAL

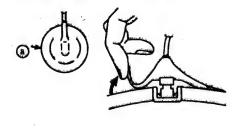




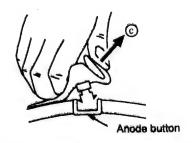
· REMOVAL OF ANODE-CAP

NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT, after removing the anode.

· REMOVING PROCEDURES



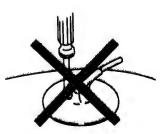


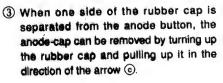


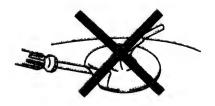
- direction indicated by the arrow (a).
- ① Turn up one side of the rubber cap in the ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow (b).

· HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped materiall
- Don't press the rubber hardly not to hurt inside of anode-caps! A material fitting called as shatter-hook terminal is built in the rubber.
- 3 Don't turn the foot of rubber over hardly! The shatter-hook terminal will stick out or hurt the rubber.







SECTION 3 SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switch should be set as follows unless otherwise noted:

PICTURE control normal BRIGHTNESS control normal

Perform the adjustments in order as follows:

- 1. Beam Landing
- 2. Convergence
- 3. Focus
- 4. White Balance

Note: Test Equipment Required.

- 1. Color-bar/Pattern Generator
- 2. Degausser
- 3. Oscilloscope

Preparations:

- In order to reduce the influence of geomagnetism on the set's picture tube face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

1. Input the white signal with the pattern generator.

Contrast normal **Brightness**

- 2. Set the pattern generator raster signal to green.
- 3. Move the deflection yoke to the rear and adjust with the purity control so that the green is at the center and the blue and the red take up equally sized areas on each side.

(See Figures 3-1 through 3-3.)

- 4. Move the deflection yoke forward and adjust so that entire screen is green. (See Figure 3-1.)
- 5. Switch the raster signal to blue, then to red and verify the condition.
- 6. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
- 7. If the beam does not land correctly in all the corners, use a magnet to adjust it.

(See Figure 3-4.)

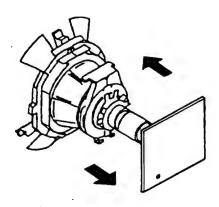


Fig. 3-1



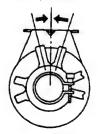


Fig. 3-2

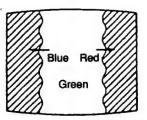
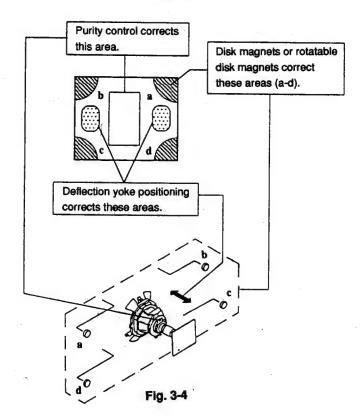


Fig. 3-3

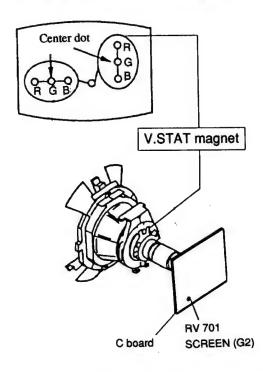


3-2. CONVERGENCE

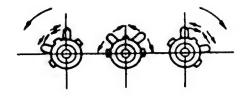
Preparations:

- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.

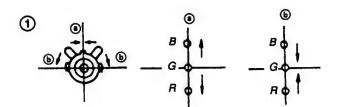
(1) Horizontal and Vertical Static Convergence

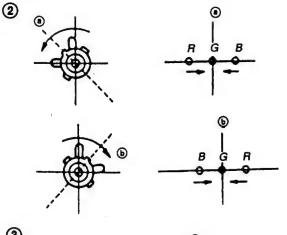


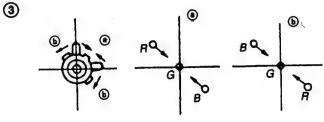
- (Moving vertically), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
- (Moving horizontally), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
- Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.



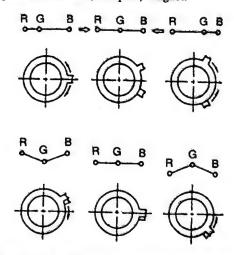
If the V.STAT magnet is moved in the direction of the and
 arrows, the red, green, and blue points move as shown below.

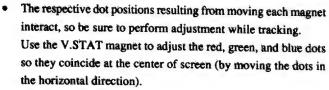


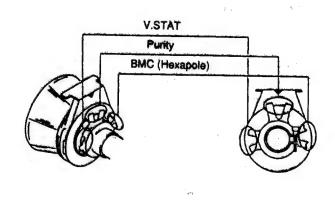




• Operation of BMC (Hexapole) Magnet.





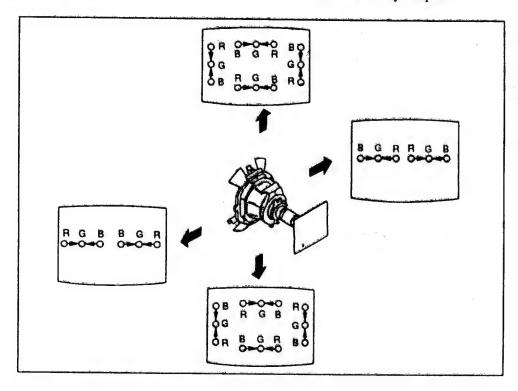


(2) Dynamic Convergence Adjustment

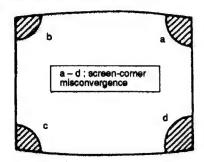
Preparations:

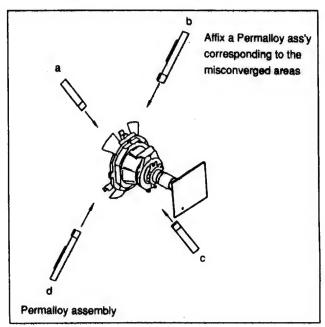
- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence.
- 1. Slightly loosen the deflection yoke screws.
- 2. Remove the deflection yoke spacer.

- 3. Move the deflection yoke as shown in the figure below and optimize the convergence.
- 4. Tighten the deflection yoke screws.
- 5. Install the deflection yoke spacer.



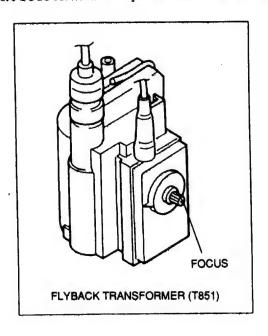
(3) Screen-corner Convergence





3-3. FOCUS ADJUSTMENT

Adjust FOCUS control on the flyback transformer for a best focus.



a. AN ITEM OF ADJUSTMENT

item number	Adjustment item	Initial DATA	Note
09	RDR	25	WHITE POINT R
0A	GDR	20	WHITE POINT G
08	BDR	20	WHITE POINT B

b. METHOD OF CANCELLATION FROM SERVICE MODE

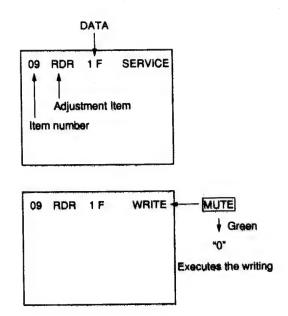
Set the standby condition (Press POWER button on the commander) in the next place, press POWER button again, hereupon it becomes TV mode.

c. METHOD OF WRITE FOR MEMORY

- 1) Set to Service Mode.
- 2) Press 1 (UP) and 4 (DOWN), select an item of adjustments.
- 3) Press MUTE button indicate WRITE (Green) on screen.
- 4) Press 0 button to write into memory.

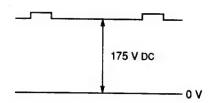
d. MEMORY WRITE CONFIRMATION METHOD

- 1) After adjustment, pull out the plug from AC outlet, and next place, plug in AC outlet again.
- 2) Turn the power switch ON and set to Service Mode.
- 3) Call the adjusted items again, confirm they were adjusted.



3-4. G2 (SCREEN) AND WHITE BALANCE ADJUSTMENTS

- 1. G2 (SCREEN) ADJUSTMENT (RV701)
- 1) Set the PICTURE and BRIGHTNESS to normal.
- 2) Put to VIDEO input mode without signals.
- 3) Connect R, G, and B of the C board cathode to the oscilloscope.
- 4) Adjust G2 (RV701) volume to the value below.



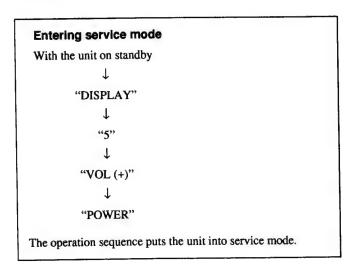
2. WHITE BALANCE ADJUSTMENTS

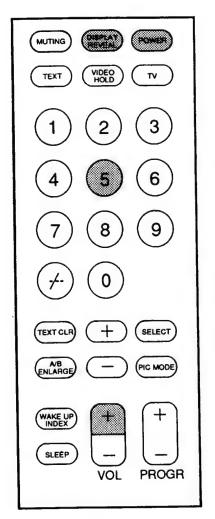
- 1) Set the Service Mode.
- 2) Input an entire white signal.
- 3) Set the PICTURE to maximum.
- 4) Select RDR(09) with 1 and 4, and then set the level to 25 with 3 and 6.
- 5) Select GDR(0A) and BDR(0B) with 1 and 4 and adjust the level with 3 and 6 for the best white balance.
- 6) Write into the memory by pressing $\boxed{\text{MUTE}} \rightarrow \text{then } \boxed{0}$.

SECTION 4 CIRCUIT ADJUSTMENTS

4-1. ADJUSTMENTS WITH COMMANDER

Service adjustments are made with the RM-870 that comes with this unit.



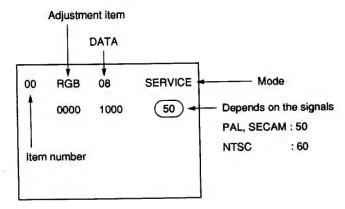


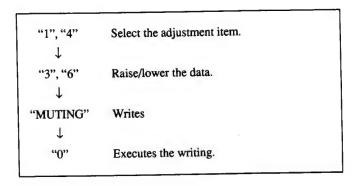
RM-870

"1", "4"	Raise/lower the service item number
"3", "6"	Raise/lower the data
"MUTING"	Writes
"0"	Executes the writing

"7", "0"	The data all becomes the values in memory
"8", "0"	User control all goes to the standard state
"5", "0"	Service data initialization (Besure not to use
	usually.)
"2", "0"	Write 50Hz adjustment data to 60Hz, or
	viceversa.

The screen display is:





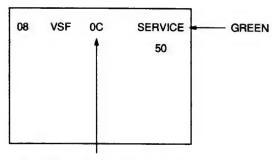
4-2. ADJUSTMENT METHOD

Item Number 08

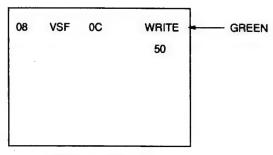
This explanation uses V-SHIFT as an example.

- 1. Select 08 V-SHIFT with the "1" and "4" buttons.
- 2. Raise/lower the data with the "3" and "6" buttons.
- 3. Select the optimum state. (The standard is for 0F PAL reception.)
- 4. Write with the MUTE button.
- 5. Execute the writing with the "0" button. (The WRITE display.)

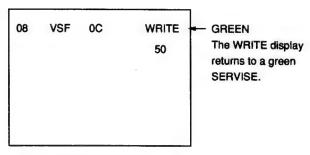
Use the same method for Items Number 00-40. Use "1" and "4" to select the adjustment item, use "3" and "6" to adjust, write with "MUTE", then execute the write with "0".



Adjusted with "3" and "6" buttons



Written with "MUTE"



Write executed with "0"

Adjustment Item Table

ltem number	Adjustment Item	Data range	Initial data		Standard data	Note	Device
00	HSF	00~3F	24	50: 21	60: 26	H SHIFT	(TDA8366)
01	HSZ	00~3F	23	50: 27	60: 28	H SIZE	(TDA8366)
02	PAP	00~3F	21	50: 25	60: 25	PIN AMPLITUDE	(TDA8366)
03	CNP	00~3F	29	50: 2D	60: 2F	CORNER PIN	(TDA8366)
04	TLT	00~3F	20	50: 24	60: 20	TILT	(TDA8366)
05	VSL	00~3F	20	50: 21	60: 21	V SLOPE	(TDA8366)
06	VAP	00~3F	1D	50: 3E	60: 3F	V AMPLITUDE	(TDA8366)
07	SCR	00~3F	20	50: 29	60: 29	S CORRECTION	(TDA8366)
08	VSF	00~3F	20	50: 39	60: 3A	V SHIFT	(TDA8366)
09	RDR	00~3F	25		25 (Fix)	WHITE POINT R	(TDA8366)
OA	GDR	00~3F	20		20	WHITE POINT G	(TDA8366)
0B	BDR	00~3F	20		20	WHITE POINT B	(TDA8366)
0C	YDL	00~0F	00		00	Y DELAY ADJUSTMENT	(TDA8366)
0D	FO	00~02	00	TV: 00	VIDEO: 00	PHI-1TIME CONSTANT	(TDA8366)
0E	AGC	00~3F	06	TV: 06	VIDEO: 06	AGC TAKE OVER	(TDA8366)
OF	VSW	00~01	01	TV: 00	VIDEO: 01	VIDEO MUTE	(TDA8366)
10	FOR	00~03	00		0	FORCED FIELD FREQ.	(TDA8366)
11	DL	00~01	00]	0	INTERLACE	(TDA8366)
12	POC	00~01	00	l	0	SYNCHRONISATION	(TDA8366)
13	NCI	00~01	00	50:00	60:00	V DIVIDER MODE	(TDA8366)
14	VID	00~01	00	50:00	60: 00	VIDEO IDENT MODE	(TDA8366)
15	HCO	00~01	00	50:00	60: 00	EHT TRACKING MODE	(TDA8366)
16	EVG	00~01	00	50: 00	60:00	ENABLE V GUARD	(TDA8366)
17	SBL	00~01	00	50:00	60:00	SERVICE BLANKING	(TDA8366)
18	PRD	00~01	00	50:00	60: 00	OVER-VOLTAGE INPUT	(TDA8366)
19	EXP	00~03	00		00	V DEFLECTION MODE	(TDA8366)
1A	SFM	00~01	01	1	01	H FREQ. DURING SWON	(TDA8366)
1B	PHL	00~01	00	1	00	COLOR X-TAL PLL	(TDA8366)
1C	COR	00~01	00		00	NOISE CORING PEAK	(TDA8366)
1D	PMX	00~3F	20	1	2D	PICTURE MAX DATA	(TDA8366)
1E	SBR	00~7F	4B		53	SUB-BRIGHTNESS	(TDA8366)
1F	SHU	00~0F	07	1	07	SUB-HUE	(TDA8366)
20	SSH	00~03	01	TV: 01	VIDEO: 03	SUB-SHARPNESS	(TDA8366)
21	SCL	00~3F	3F	50: 3F	60: 3F	SUB-COLOR	(TDA8366)

For KV-T25L1/T25MF1/T25SF1/T25SF11 only

22 23	TXP MXP	00~0F 00~0F	09 0B	09 0B	Text Picture cont. Text Mix mode Pic.	(SAA5281) (SAA5281)
24	ODL	00~FF	10	10	Power ON Delay	(CXP85200)
25	OFR	00~0F	00	00	Remo. con. RGB OUT	(CXP85200)
26	OFM	00~0F	00	00	Main power RGB OUT	(CXP85200)
27	OSH	00~3F	OA	06	OSD Position H	(CXP85200)
28	MUT	00~01	Q1	00	No Sync. Mute	(CXP85200)
29	ABL	00~01	01	01	Bright ABL	(CXP85200)
2A	OP0	00~FF	40	2B	Option 0	(CXP85200)
2B	OP1	00~FF	07	07	Option 1	(CXP85200)

 $[\]divideontimes$ 50 \cdots 50Hz data 60 \cdots 60Hz data

^{*} Standard data listed on the Adjustment Item Table are reference values, therefore differ per model.

For KV-T25MN11 only

Item number	Adjustment Item	Data range	Initial data	Standard data	Note	Device
22	FAW	00~FF	08	08 (Fix)	NICAM FAW Thresh	(MSP3410)
23	CTM	00~FF	08	08 (Fix)	NICAM Error Bit (MONO)	(MSP3410)
24	CTN	00~FF	50	50 (Fix)	NICAM Error Bit (NICAM)	(MSP3410)
25	WCD	00~FF	15	15	W. G. Change Data	(MSP3410)
26	WST	00~FF	50	50	W. G. Stereo Cut Point	(MSP3410)
27	WTM	00~FF	EA	EA	W. G. Timer Change	(MSP3410)
28	WBT	00~FF	01	01	W. G. BILINGUAL	(MSP3410)
29	ACG	00~01	50	50	AGC AUTO/CONST.	(MSP3410)
2A	CDB	00~7F	50	50	AGC GAIN CONST.	(MSP3410)
2B	FGP	00~7F	24	24	FM (BG, I, DK) Prescale	(MSP3410)
2C	FMP	00~7F	44	44	FM (M) Prescale	(MSP3410)
2D	WGP	00~7F	3C	3C	W. G. Prescale	(MSP3410
2E	NIP	00~7F	7F	7F	NICAM Plescale	(MSP3410)
2F	CRM	00~01	00	00	Carrior Mute	(MSP3410
30	ACO	00~01	01	01	Audio Clock Out	(MSP3410)
31	WAC	00~0F	01	01	W. G. Agreement count	(MSP3410
32	TXP	00~0F	09	09	Text Picture cont.	(SAA5281)
33	MXP	00~0F	0B	0B	Text Mix mode Pic.	(SAA5281)
34	HBL	00~3F	20	20	H Blk Left Width	(CXP85200
35	HBR	00~3F	20	20	H Blk Right Width	(CXP85200
36	VBH	00~FF	00	00	V Blk High Width	(CXP85200
37	VBL	00~FF	FF	FF	V Blk Low Width	(CXP85200
38	ODL	00~FF	10	10	Power ON Delay	(CXP85200
39	OFR	00~0F	00	00	Remo. con. RGB OUT	(CXP85200
3A	OFM	00~0F	00	00	Main power RGB OUT	(CXP85200
3B	OSH	00~3F	0A	0 A	OSD Position H	(CXP85200
3C	MUT	00~01	01	01	No Sync. Mute	(CXP85200
3D	DWZ	00~01	00	. 00	Disable Widezoom	(CXP85200
3E	ABL	00~01	01	01	Bright ABL	(CXP85200
3F	OP0	00~FF	40	40	Option 0	(CXP85200
40	OP1	00~FF	07	07	Option 1	(CXP85200

No 2A, 3F OP0 * Input data are different according to models.

Item		AV	Input	-	_	-	_	Saudi
KV-T25MF1	0	1	0	0	0	0	0	0
KV-T25MN11	0	1	0	0	0	0	0	0
KV-T25L1	0	0	1	0	0	0	0	0
KV-T25SF1	0	1	0	0	0	0	0	0
KV-T25SF11	0	1	0	0	0	0	0	0

No 2B, 40 OP1

Item	_	_	_	TVS	ystem	NTSC	SECAM	Chin
KV-T25MF1	0	0	0	0	0_	1	1	1
KV-T25MN11	0	0	0	0	0	1	1	1
KV-T25L1	0	0	0	0	1	1	1	1
KV-T25SF1	0	0	0	0	1	1	0	1
KV-T25SF11	0	0	0	0	1	1	0	1

4-3. A BOARD, ADJUSTMENT AFTER IC003 (MEMORY) REPLACEMENT

- 1. Enter to Service Mode.
- 2. Press commander buttons "5" and "0" (Data Initialize), and "2" and "0" (Data Copy) to initialize the data.
- 3. Call each item number, and check if the respective screen shows the normal picture.

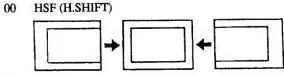
In case some items are not well-adjusted, give them fine adjustment.

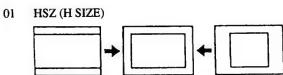
Write the data per each item number (MUTE + 0).

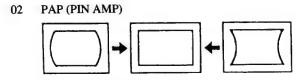
- 4. Select item numbers "2A" (OP0) and "2B" (OP1) for mono, and 3F (OP0) and "40" (OP1) for STEREO, and respectively set the bit per model with command buttons "3" and "6".
- 5. Press commander buttons "8" and "0" (Test Normal) to return to the data that was set on the shipment from the factory.(= Cancel Service Mode.)

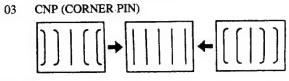
4-4. PICTURE DISTORTION ADJUSTMENT

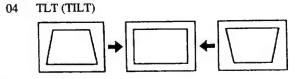
Item Number 00 - 08

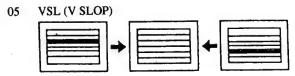


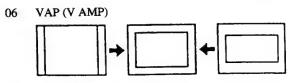


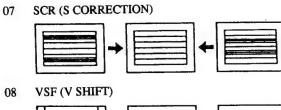


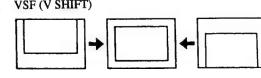




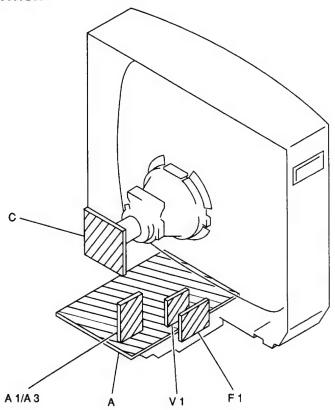








5-2. CIRCUIT BOARDS LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytic and tantalums.
- All resistors are in ohms.
 kΩ = 100Ω, MΩ = 1000kΩ
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm Rating electrical power 1/4W (CHIP: 1/10W)

- innonflammable resistor.
 internal component.
- : panel designation, or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Readings are taken with a color-bar signal input.

no mark: PAL
(): SECAM
(): NTSC 4.43

- Readings are taken with a 10 $M\Omega$ digital multimeter.
- Voltage are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- * : Can not be measured.
- · Circled numbers are waveform reference.

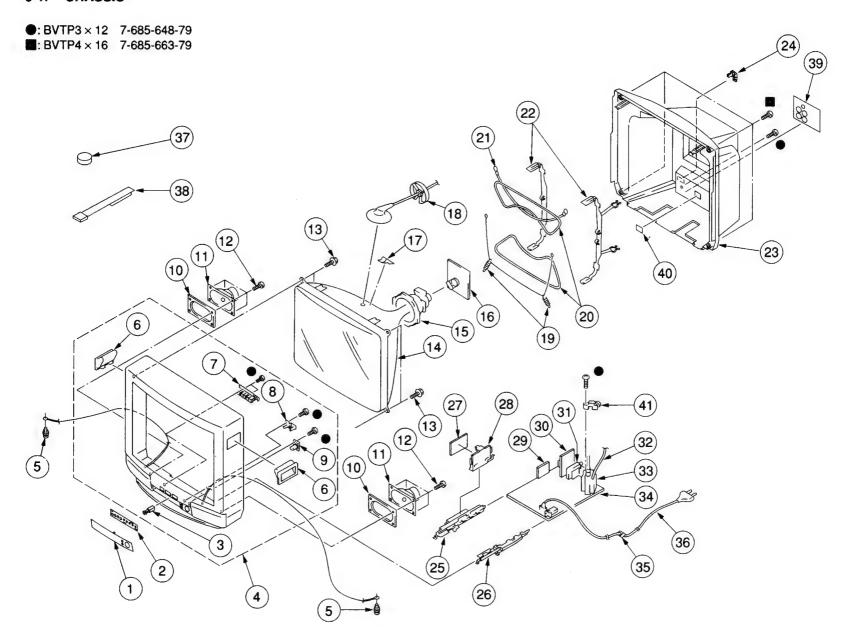
: B + bus.
 : B - bus.
 : signal path.

Reference Information

RESISTOR : RN METAL FILM : RC SOLID : FPRD NONFRAMMABLE CARBON : FUSE NONFLAMMABLE FUSIBLE : RS NONFLAMMABLE METAL OXIDE : RB NONFLAMMABLE CEMENT : RW NONFLAMMABLE WIREWOUND ADJUSTMENT RESISTOR : * COIL : LF-8L MICRO INDUCTOR CAPACITOR : TA **TANTALUM** : PS STYROL : PP **POLYPROPYLENE** : PT MYLAR : MPS METALIZED POLYESTER : MPP METALIZED POLYPROPYLENE : ALB **BIPOLAR** HIGH TEMPERATURE : ALT HIGH RIPPLE : ALR

Note: The component identified by shading and mark \(\!\!\) are critical for safety. Replace only with part number specified.

6-1. CHASSIS



SERVICE MANUAL

BG-1S CHASSIS

MODEL

COMMANDER DEST.

CHASSIS NO.

COMMANDER DEST. CHASSIS NO.

KV-T25MN8 RM-870 Hong Kong SCC-J16H-A KV-T25MN81 RM-870 GE

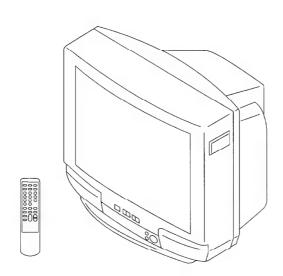
SCC-J40Q-A

KV-T25SF8

RM-870 Australia

SCC-J99C-A

KV-T25SF81 RM-870 New Zealand SCC-K37C-A







SPECIFICATIONS

		Note			
Power requirements	110-240 V AC, 50/60 Hz				
Power consumption (W)	Indicated on the rear of the TV				
Television system	B/G, I, D/K, M				
Color system	PAL, PAL 60, SECAM, NTSC4.43, NTSC3.58				
Channel coverage					
B/G	VHF: E2 to E12 / UHF: E21 to E69 / CATV: S01 to S03, S1 to S41				
1	UHF: B21 to B68 / CATV: S01 to S03, S1 to S41				
D/K	VHF : C1 to C12, R1 to R12 / UHF : C13 to C57, R21 to R60 /				
	CATV: S01 to S03, S1 to S41, Z1 to Z39	KV-G25M11			
	VHF: R1 to R12 / UHF: R21 to R60 / CATV: S01 to S03, S1 to S41	except KV-G25M11			
M	VHF: A2 to A13 / UHF: A14 to A79/	•			
	CATV: A-8 to A-2, A to W+4, W+6 to W+8	KV-G25M11			
	VHF: A2 to A13 / UHF: A14 to A79 /	except KV-G25M11			
	CATV : A-8 to A-1, A to D, F to W+21, W+23 to W+84				
Audio output (speaker)	5W				
Inputs	Antenna: 75 ohms				
	VIDEO IN jacks: phono jacks				
	Video: 1 Vp-p, 75 ohms				
	Audio: 500 mVrms, high impedance				
Outputs	Earphone jack: minijack				
	MONITOR OUT jacks: phono jacks				
	Video: 1 Vp-p, 75 ohms				
	Audio: 500 mVrms				
Picture tube	25 in.				
Tube size (cm)	64	Measured diagonally			
Screen size (cm)	60	Measured diagonally			
Dimensions (w/h/d, mm)	613 × 542 × 472				
Mass (kg)	32				

Design and specifications are subject to change without notice.

CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

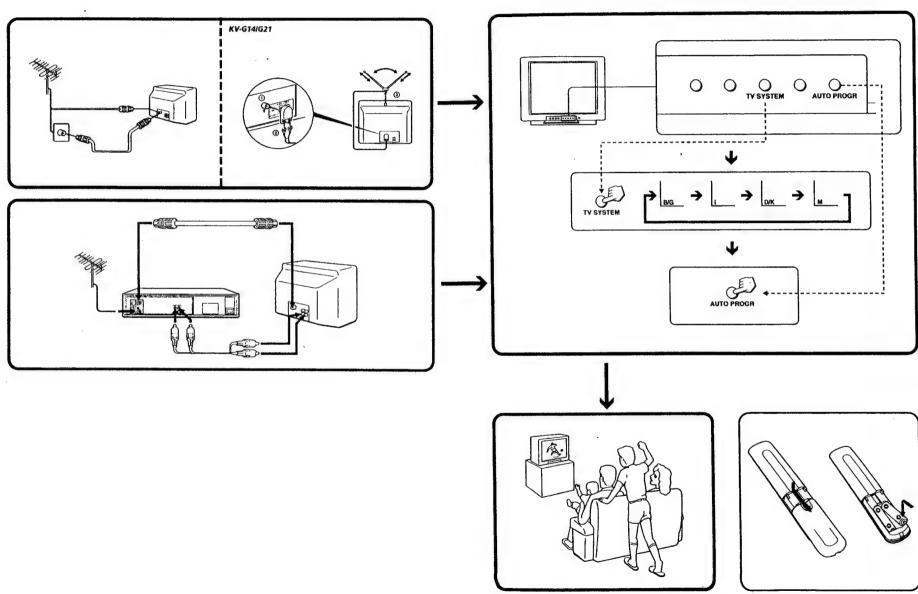
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK Λ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

TABLE OF CONTENTS

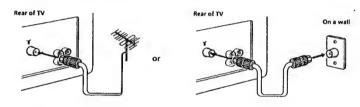
Se	ction	<u>Title</u>	Page	Sec	ction	<u>Title</u>	Page
1.	GEN	ERAL ·····	• 4	5.	DIAG 5-1.	GRAMS Block Diagrams	. 22
2.	DISASSEMBLY				5-2.	Circuit Boards Location · · · · · · · · · · · · · · · · · · ·	
	2-1.	Rear Cover Removal · · · · · · · · · · · · · · · · · · ·	. 9		5-3.	Schematic Diagrams and Printed Wiring Boards	2,
	2-2.	A Board Removal · · · · · · · · · · · · · · · · · · ·			(1)	Schematic Diagram of A Board · · · · · · · · · · · · · · · · · · ·	31
	2-3.	Service Position · · · · · · · · · · · · · · · · · · ·	· 10		(2)	Schematic Diagrams of A1, C, F1 and V1 Boards	35
	2-4.	Replacement of Parts · · · · · · · · · · · · · · · · · · ·	· 10		5-4.	Semiconductors · · · · · · · · · · · · · · · · · · ·	41
	2-5.	Demagnetization Coil Removal · · · · · · · · · · · · · · · · · · ·	· 11				
	2-6.	Picture Tube Removal · · · · · · · · · · · · · · · · · · ·	· 12	6.	EXP	LODED VIEWS	
					6-1.	Chassis · · · · · · · · · · · · · · · · · ·	43
_	SET-	UP ADJUSTMENTS					
	3-1.	Beam Landing · · · · · · · · · · · · · · · · · · ·		7.	ELEC	CTRICAL PARTS LIST	45
	3-2.	Convergence · · · · · · · · · · · · · · · · · · ·					
	3-3.	Focus Adjustment · · · · · · · · · · · · · · · · · · ·	· 16				
	3-4.	G2 (Screen) and White Balance Adjustments · · ·	• 17				
4.	4. CIRCUIT ADJUSTMENTS						
	4-1.	Adjustments with Commander · · · · · · · · · · · · · · · · · · ·	· 18				
	4-2.	Adjustment Method · · · · · · · · · · · · · · · · · · ·					
	4-3.	A Board Adjustment after IC003 (Memory)					
		Replacement · · · · · · · · · · · · · · · · · · ·	· 21				
	4-4.	Picture Distortion Adjustment · · · · · · · · · · · · · · · · · · ·	· 21				

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.



4

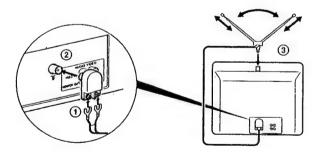
Attach an optional IEC antenna connector to the 75-ohm coaxial cable. Plug the connector into the \ (antenna) socket at the rear of the TV.



Connecting an indoor antenna

■ KV-G14/G21

S



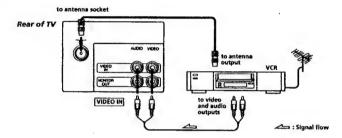
You are advised to use an outdoor antenna for better reception.

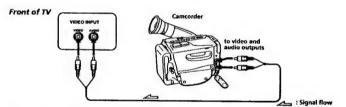
4-EN | Getting Started

Connecting optional equipment

You can connect optional audio/video equipment to your TV such as a VCR, multi disc player, camcorder, or video

Connecting video equipment using VIDEO IN jacks

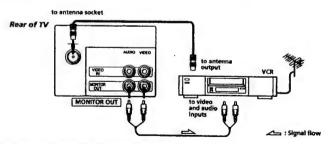




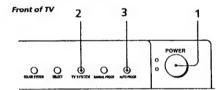
When using the video input jacks

Do not connect video equipment to the VIDEO input jacks at the front and the rear of your TV simultaneously; otherwise the picture will not be displayed properly on the screen.

Connecting audio/video equipment using MONITOR OUT jacks



When recording through the MONITOR OUT jacks If you change the channel or video input while recording with a VCR, the channel or video input you are recording also will be changed.



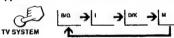
1 Press POWER.

O

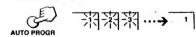


When the TV is in standby mode after pressing POWER, press POWER on the remote commander.

2 Press TV SYSTEM until your local TV system



3 Press AUTO PROGR.



To start presetting channels automatically from the specified program position

- 1 Press MANUAL PROGR.
- 2 Press TV SYSTEM to select your local TV system.
- 3 Press PROGR +/- to select the program position.
- 4 Press AUTO PROGR.

F-EN | Getting Started

Presetting channels manually

To change the channel for a particular program position or to receive a channel with a weak signal, preset the channel manually.

- 1 Press MANUAL PROGR.
- 2 Press PROGR +/- until the required program position appears on the screen.
- 3 Press TV SYSTEM until your local TV system appears.
- 4 Press VOLUME +/- on the TV until the required channel picture appears on the screen.
- 5 Press MANUAL PROGR.

If the TV system is not properly selected

The color of the picture may be poor and/or the sound may be noisy. In this case, select the appropriate TV

- 1 Press PROGR +/- to select the program position.
- 2 Press TV SYSTEM until the picture and sound become normal.

Notes

- . If you do not know your local TV system, consult your nearest authorized service center or dealer.
- . The setting of the TV SYSTEM is memorized for each program

Disabling program positions

By disabling unused or unwanted program positions, you can skip those positions when you press PROGR +/-.

- 1 Press PROGR +/- until the unused or unwanted program position appears on the
- 2 Press MANUAL PROGR.
- 3 Press PIC MODE on the remote commander.
- 4 Press MANUAL PROGR.

To cancel the skip setting

Operations

Watching the TV

1 Press POWER to turn the TV on.



When the TV is in standby mode after pressing POWER, press POWER on the remote commander.

2 Select the TV channel you want to watch.

To select a channel directly

Press a number button



To select a two-digit channel, press "-/--" before the number buttons.

For example: to select channel 25, press "-/--," and then "2" and "5."



To scan through channels

Press PROGR +/- until the channel you want appears.



3 Press VOL +/- to adjust the volume.



Switching off the TV

To switch off the TV temporarily, press POWER on the remote commander.

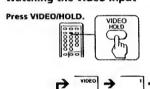


To switch off the TV completely, press POWER on the

If the power on the TV is turned off in standby mode. the STANDBY indicator may remain alight for a while.



Watching the video input

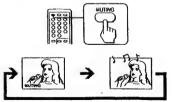


To watch TV, press TV.



Muting the sound

Press MUTING.

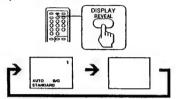


Preset the channel manually or automatically again.

Displaying on-screen information

Press DISPLAY/REVEAL.

The program position, local system, and TV settings are displayed on the screen.

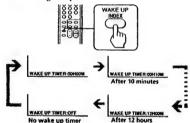


Setting the Wake Up Timer

You can set the TV to turn on automatically after the period of time you want.

1 Press WAKE UP/INDEX repeatedly to set the

The on-screen display appears and the WAKE UP indicator lights up



- 2 If you want a particular TV program or video input to be displayed using the Wake Up Timer, select the TV program or video mode.
- 3 Press POWER on the remote commander or set the Sleep Timer to turn off the TV in standby mode.

To cancel the Wake Up Timer, press WAKE UP/INDEX repeatedly until "WAKE UP TIMER: OFF" appears, or turn off the main power of the TV.

 The Wake Up Timer starts immediately after the on-screen display disappears.

8-EN | Operations

- The last TV program position or video mode just before the TV turns into Standby mode will appear when the TV turns on using the Wake Up Timer.
- . If no buttons or controls are pressed for more than two hours after the TV is turned on using the Wake Up Timer, the TV automatically turns into standby mode. When you want to continue watching the TV, press any button or control on the TV or remote commander.

Setting the Sleep Timer

You can set the TV to turn off automatically after the period of time you want.

Press SLEEP.



To cancel the Sleep Timer, press SLEEP repeatedly until "SLEEP TIMER: OFF" appears, or turn the TV off.

Changing the on-screen display language

If you prefer Chinese to English, you can change the on-screen display language. You can use buttons on both the remote commander and the TV.



1 Press SELECT until the screen appears as follows:



2 Press + or - to select "中文".



. You can also use VOLUME +/- on the TV to select the onscreen display language.

Adjusting the picture

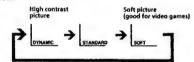


Selecting the picture mode

Press PIC MODE until the mode you want appears.



Each time you press PIC MODE, the screen changes as follow:



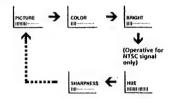
· If you change the picture mode after the following adjustments, the adjustment changes in accordance with the picture mode.

Adjusting the picture setting

1 Press SELECT until the item you want to adjust appears.



Each time you press SELECT, the screen changes as follows:



2 Press +/- to adjust the item.



3 To adjust other items, repeat steps 1 and 2.

. You can also use VOLUME +/- on the TV to adjust the picture

If the color of the picture is abnormal

When receiving programs through the T terminal: Press TV SYSTEM or COLOR SYSTEM or adjust the color setting until the color becomes normal.

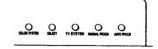
Note

. Normally set COLOR SYSTEM to AUTO.

If the sound is distorted or noisy

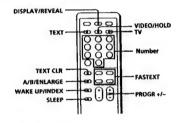
When receiving programs through the Y terminal Press TV SYSTEM until the sound becomes clear.

Front of TV



Viewing Teletext

■ KV-G25M11 only



Displaying Teletext

- 1 Select a TV channel which carries the Teletext broadcast you want to watch.
- 2 Press TEXT to display the Teletext. A Teletext page is displayed (normally the index page). If there is no Teletext broadcast, 100 is displayed at the top left corner of the screen.

To cancel the Teletext display, press TV....

Superimposing a Teletext page on the TV picture

Press TEXT.

Each time you press TEXT, the screen changes as follows:



Checking the contents of a Teletext service ALL THE PROPERTY OF (INDEX)

Press WAKE UP/INDEX to display an overview of the Teletext contents and page numbers.

Using FASTEXT

This feature allows you to quickly access a Teletext page that uses FASTEXT. When a FASTEXT page is broadcasted, a color-coded menu appears at the bottom of the screen. The colors of the menu correspond to the RED, GREEN, YELLOW, and CYAN buttons on the remote commander.

Press the color button which corresponds to the color-

The page is displayed after a few seconds.

Selecting a Teletext page

To input the three-digit page number of the Teletext page, press the number buttons.

If you make a mistake, key in the correct page number

To access the next or previous page, press PROGR +/-.

Holding a Teletext page (subpage)

Press VIDEO/HOLD.

The HOLD symbol "B" is displayed at the top left corner of the screen.

To resume normal Teletext operation, press VIDEO/ HOLD again or TEXT.

Revealing concealed information

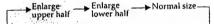
Press DISPLAY/REVEAL.

To conceal the information, press DISPLAY/REVEAL Control of the Control

Enlarging the Teletext display

Press A/B/ENLARGE.

Each time you press A/B/ENLARGE, the Teletext display changes as follows:



Waiting for a Teletext page while watching a TV program (TEXT CLEAR)

- 1 Key in the page number of the Teletext that you want to refer, then press TEXT CLR.
- 2 When the page number is displayed on the screen, press TEXT to switch the Teletext on.

Additional Information

Troubleshooting



If you have any problems, read this manual again and check the countermeasure for each of the symptoms

If the problem persists, contact your nearest authorized service center or dealer.

Snowy picture **Noisy sound**





- Check the antenna
- Check the antenna connection on the TV and on the wall.
- Check the TV SYSTEM setting.

Dotted lines or stripes



→ This may be caused by local interference (e.g. cars, neon signs, hair dryers, etc.). Adjust the antenna for minimum interference.

Double images or "ghosts"



This may be caused by reflections from nearby mountains or buildings. A highly directional antenna may improve the picture.

Note on the remote commander

. The supplied remote commander is used on several models of the TV. If you do not find insructions for some controls that are on the remote commander, that means your TV does not employ the features of those controls, e.g. TEXT.

Good picture Noisy sound





→ Check the TV SYSTEM setting.

No picture No sound





- → Press POWER.
- Check the antenna connection.
- → Check the VCR connections.
- Check the power cord connection.
- → Check the standby mode.

Good picture No sound





- → Press VOLUME +
- → Press MUTING.

No color



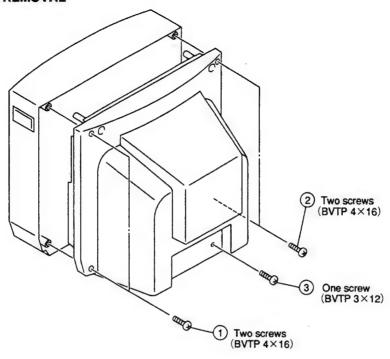
- → Adjust the COLOR level in the on-screen display.
- → Check the COLOR SYSTEM setting.

TV cabinet creaks

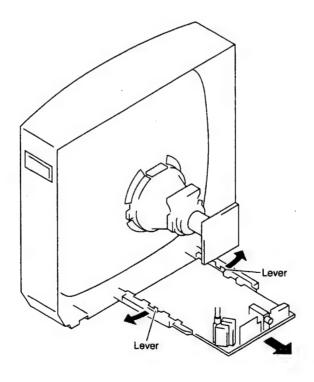
→ Even if the picture or the sound is normal. changes in the room temperature sometimes make the TV cabinet expand or contract, making a noise. This does not indicate a malfunction.

DISASSEMBLY

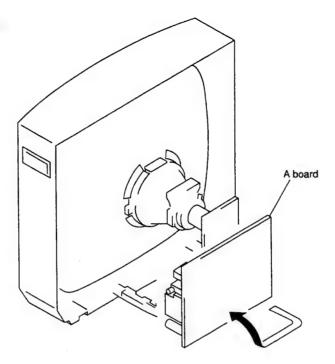
-1. REAR COVER REMOVAL



_-2. A BOARD REMOVAL



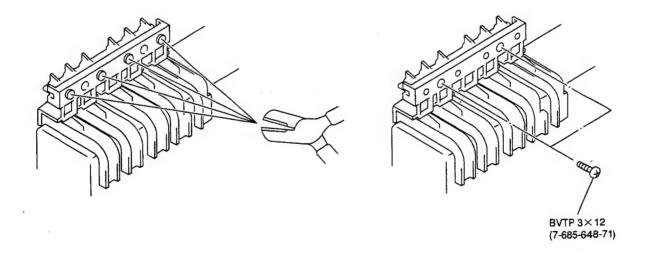
2-3. SERVICE POSITION



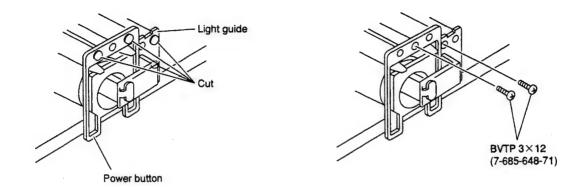
2-4. REPLACEMENT OF PARTS

For replacement of the Multi Button, Power Button and Light Guide, cut the welded portions from them, exchange with the new parts, and fix them with screws (+BVTP) respectively.

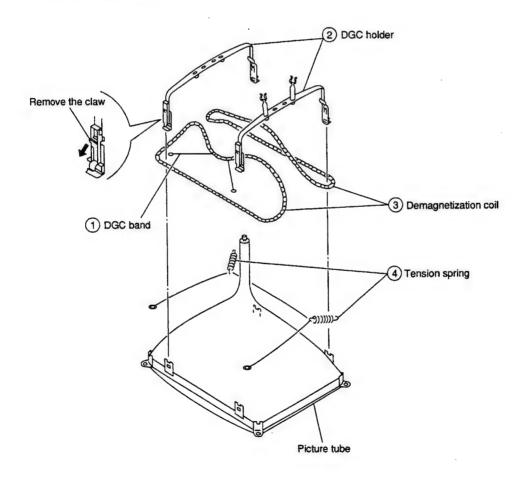
2-4-1. REPLACEMENT OF MULTI BUTTON

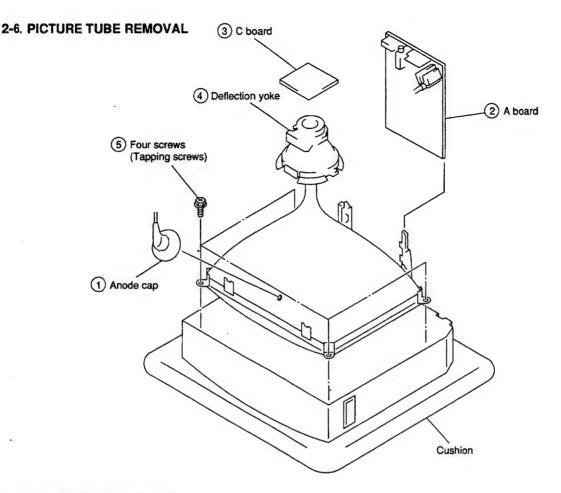


4-2. REPLACEMENT OF LIGHT GUIDE, POWER BUTTON



2-5. DEMAGNETIZATION COIL REMOVAL

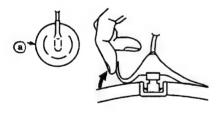




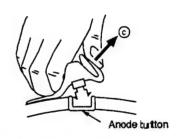
• REMOVAL OF ANODE-CAP

NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT, after removing the anode.

REMOVING PROCEDURES



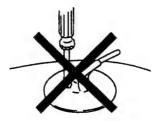




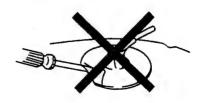
- direction indicated by the arrow (a).
- 1) Turn up one side of the rubber cap in the 2 Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow (b).

- HOW TO HANDLE AN ANODE-CAP

- 1 Don't hurt the surface of anode-caps with sharp shaped material!
- 2 Don't press the rubber hardly not to hurt inside of anode-caps! A material fitting called as shatter-hook terminal is built in the rubber.
- 3 Don't turn the foot of rubber over hardly! The shatter-hook terminal will stick out or hurt the rubber.



3 When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ©.



ECHON 3

SET-UP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed.

 These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switch should be set as follows unless otherwise noted:

PICTURE control	normal
BRIGHTNESS control	normal

Perform the adjustments in order as follows:

- 1. Beam Landing
- 2. Convergence
- 3. Focus
- 4. White Balance

Note: Test Equipment Required.

- 1. Color-bar/Pattern Generator
- 2. Degausser
- 3. Oscilloscope

Preparations:

- In order to reduce the influence of geomagnetism on the set's picture tube face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

1. Input the white signal with the pattern generator.

Contrast Brightness

normal

- 2. Set the pattern generator raster signal to green.
- Move the deflection yoke to the rear and adjust with the purity control so that the green is at the center and the blue and the red take up equally sized areas on each side.

(See Figures 3-1 through 3-3.)

- 4. Move the deflection yoke forward and adjust so that entire screen is green. (See Figure 3-1.)
- Switch the raster signal to blue, then to red and verify the condition.
- 6. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.

If the beam does not land correctly in all the corners, use a magnet to adjust it.

(See Figure 3-4.)

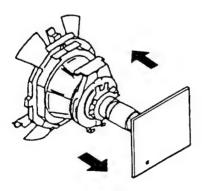


Fig. 3-1



Fig. 3-2

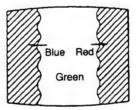
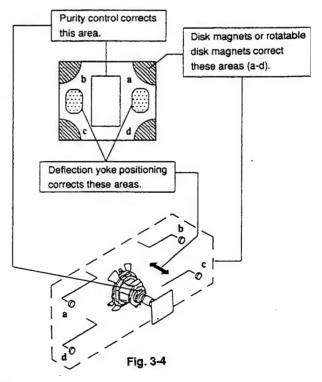


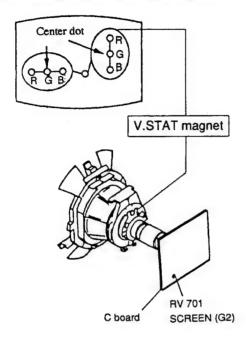
Fig. 3-3



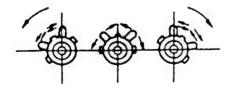
3-2. CONVERGENCE

Preparations:

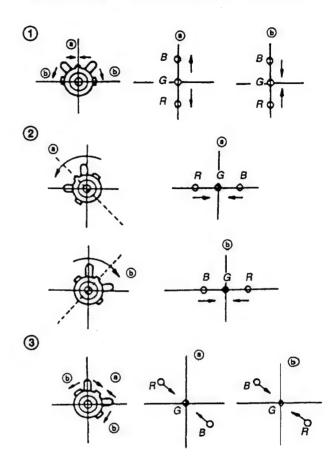
- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.
- (1) Horizontal and Vertical Static Convergence



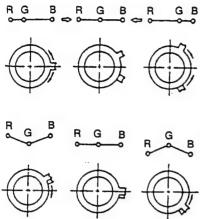
- (Moving vertically), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
- (Moving horizontally), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
- Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.

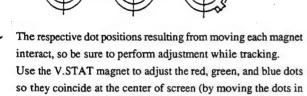


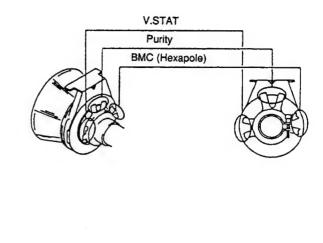
If the V.STAT magnet is moved in the direction of the (a) and
 (b) arrows, the red, green, and blue points move as shown below.



Operation of BMC (Hexapole) Magnet.







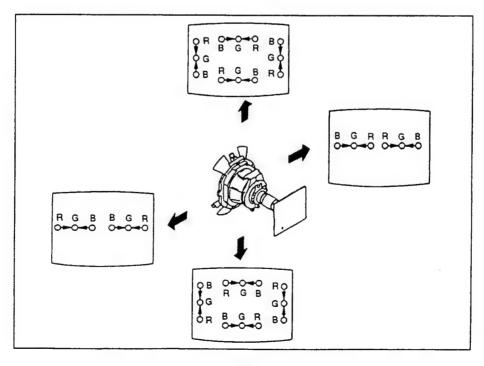
(2) Dynamic Convergence Adjustment

the horizontal direction).

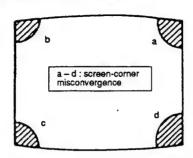
Preparations:

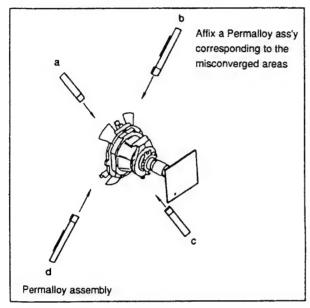
- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence.
- 1. Slightly loosen the deflection yoke screws.
- 2. Remove the deflection yoke spacer.

- 3. Move the deflection yoke as shown in the figure below and optimize the convergence.
- 4. Tighten the deflection yoke screws.
- 5. Install the deflection yoke spacer.



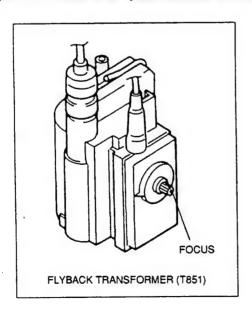
(3) Screen-corner Convergence





3-3. FOCUS ADJUSTMENT

Adjust FOCUS control on the flyback transformer for a best focus.



a. AN ITEM OF ADJUSTMENT

item number	Adjustment item	Initial DATA	Note
09	RDR	25	WHITE POINT R
OA	GDR	20	WHITE POINT G
0B	BDR	20	WHITE POINT B

b. METHOD OF CANCELLATION FROM SERVICE MODE

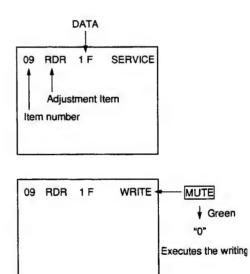
Set the standby condition (Press POWER) button on the commander) in the next place, press POWER button again, hereupon it becomes TV mode.

c. METHOD OF WRITE FOR MEMORY

- 1) Set to Service Mode.
- 2) Press 1 (UP) and 4 (DOWN), select an item of adjustments.
- 3) Press MUTE button indicate WRITE (Green) on screen.
- 4) Press 0 button to write into memory.

d. MEMORY WRITE CONFIRMATION METHOD

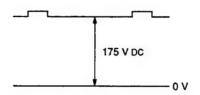
- After adjustment, pull out the plug from AC outlet, and next place, plug in AC outlet again.
- 2) Turn the power switch ON and set to Service Mode.
- 3) Call the adjusted items again, confirm they were adjusted.



-4. G2 (SCREEN) AND WHITE BALANCE ADJUSTMENTS

1. G2 (SCREEN) ADJUSTMENT (RV701)

- 1) Set the PICTURE and BRIGHTNESS to normal.
- 2) Put to VIDEO input mode without signals.
- 3) Connect R, G, and B of the C board cathode to the oscilloscope.
- 4) Adjust G2 (RV701) volume to the value below.



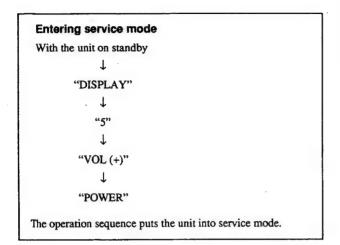
2. WHITE BALANCE ADJUSTMENTS

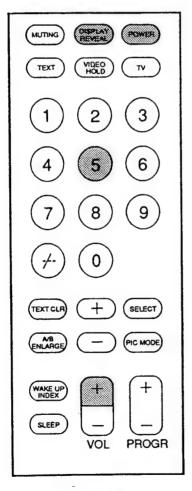
- 1) Set the Service Mode.
- 2) Input an entire white signal.
- 3) Set the PICTURE to maximum.
- 4) Select RDR(09) with 1 and 4, and then set the level to 25 with 3 and 6.
- Select GDR(0A) and BDR(0B) with 1 and 4 and adjust the level with 3 and 6 for the best white balance.
- 6) Write into the memory by pressing $\boxed{\text{MUTE}} \rightarrow \text{then } \boxed{0}$.

SECTION 4 CIRCUIT ADJUSTMENTS

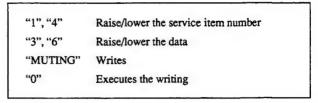
4-1. ADJUSTMENTS WITH COMMANDER

Service adjustments are made with the RM-870 that comes with this unit.



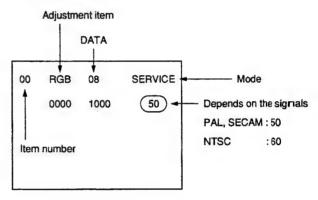


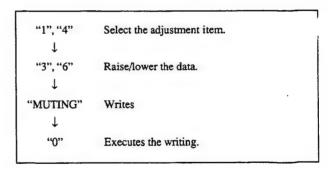
RM-870



"7", "0"	The data all becomes the values in memory		
"8", "0"	User control all goes to the standard state		
"5", "0"	Service data initialization (Besure not to use		
	usually.)		
"2", "0"	Write 50Hz adjustment data to 60Hz, or		
	viceversa.		

The screen display is:





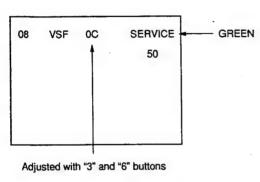
4-2. ADJUSTMENT METHOD

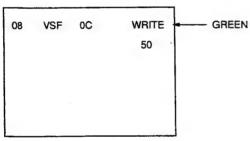
Item Number 08

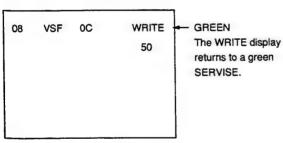
This explanation uses V-SHIFT as an example.

- 1. Select 08 V-SHIFT with the "1" and "4" buttons.
- 2. Raise/lower the data with the "3" and "6" buttons.
- 3. Select the optimum state. (The standard is for 0F PAL reception.)
- 4. Write with the MUTE button.
- 5. Execute the writing with the "0" button. (The WRITE display.)

Use the same method for Items Number 00-40. Use "1" and "4" to select the adjustment item, use "3" and "6" to adjust, write with "MUTE", then execute the write with "0".







Written with "MUTE"

Adjustment Item Table

Adjustm	ent Item Ta	abie					
item number	Adjustment Item	Data range	Initial data		Standard data	Note	Device
00	HSF	00~3F	24	50:21	60: 26	H SHIFT	(TDA8366)
01	HSZ	00~3F	23	50: 27	60: 28	H SIZE	(TDA8366)
02	PAP	00~3F	21	50: 25 60: 25		PIN AMPLITUDE	(TDA8366)
03	CNP	00~3F	29	50: 2D	60: 2F	CORNER PIN	(TDA8366)
04	TLT	00~3F	20	50: 24	60: 20	TILT	(TDA8366)
05	VSL	00~3F	20	50:21	60: 21	V SLOPE	(TDA8366)
06	VAP	00~3F	1D	50: 3E	60: 3F	V AMPLITUDE	(TDA8366)
07	SCR	00~3F	20	50: 29	60: 29	S CORRECTION	(TDA8366)
08	VSF	00~3F	20	50: 39	60: 3A	V SHIFT	(TDA8366)
09	RDR	00~3F	25		25 (Fix)	WHITE POINT R	(TDA8366)
0A	GDR	00~3F	20		20	WHITE POINT G	(TDA8366)
0B	BDR	00~3F	20		20	WHITE POINT B	(TDA8366)
0C	YDL	00~0F	00			Y DELAY ADJUSTMENT	(TDA8366)
0D	FO	00~02	00	TV: 00	VIDEO: 00	PHI-1TIME CONSTANT	(TDA8366)
0E	AGC	00~3F	06	TV: 06	VIDEO: 06	AGC TAKE OVER	(TDA8366)
0F	VSW	00~01	01	TV: 00	VIDEO: 01	VIDEO MUTE	(TDA8366)
10	FOR	00~03	00		0	FORCED FIELD FREQ.	(TDA8366)
11	DL	00~01	00		0	INTERLACE	(TDA8366)
12	POC	00~01	00		0	SYNCHRONISATION	(TDA8366)
13	NCI	00~01	00	50:00	60:00	V DIVIDER MODE	(TDA8366)
14	VID	00~01	00	50:00	60: 00	VIDEO IDENT MODE	(TDA8366)
15	HCO	00~01	00	50:00	60:00	EHT TRACKING MODE	(TDA8366)
16	EVG	00~01	00	50:00	60:00	ENABLE V GUARD	(TDA8366)
17	SBL	00~01	00	50:00	60:00	SERVICE BLANKING	(TDA8366)
18	PRD	00~01	00	50:00	60:00	OVER-VOLTAGE INPUT	(TDA8366)
19	EXP	00~03	00		00	V DEFLECTION MODE	(TDA8366)
1A	SFM	00~01	01		01	H FREQ. DURING SWON	(TDA8366)
1B	PHL	00~01	00		00	COLOR X-TAL PLL	(TDA8366)
1C	COR	00~01	00		00	NOISE CORING PEAK	(TDA8366)
1D	PMX	00~3F	20		20	PICTURE MAX DATA	(TDA8366)
1E	SBR	00~7F	4B		53	SUB-BRIGHTNESS	(TDA8366)
1F	SHU	00~0F	07	 	07	SUB-HUE	(TDA8366)
20	SSH	00~03	01	TV: 01	VIDEO: 03	SUB-SHARPNESS	(TDA8366)
21	SCL	00~3F	3F	50:3F	60: 3F	SUB-COLOR	(TDA8366)
22	TXP	00~0F	09		09	Text Picture cont.	(SAA5281)
23	MXP	00~0F	0B	1	0B	Text Mix mode Pic.	(SAA5281)
24	ODL	00~FF	10		10	Power ON Delay	(CXP85200)
25	OFR	00~0F	00	00		Remo. con. RGB OUT	(CXP85200)
26	OFM	00~0F	00	00		Main power RGB OUT	(CXP85200)
27	OSH	00~3F	0A	06		OSD Position H	(CXP85200
28	MUT	00~01	01		. 00	No Sync. Mute	(CXP85200)
29	ABL	00~01	01		01	Bright ABL	(CXP85200
2A	OP0	00~FF	40	1	2B	Option 0	(CXP85200
2B	OP1	00~FF	07		07	Option 1	(CXP85200

^{※ 50 ··· 50}Hz data 60 ··· 60Hz data

No 2A OPO * Input data are different according to models.

-	AV I	nput	-	-	-		Saudi
0	0	1	0	0	0	0	0

No 2B OP1

110 0							
_	_	_	TV System		NTSC	SECAM	Chin
0	0	0	0	0	1	1	1

^{**} Standard data listed on the Adjustment Item Table are reference values, therefore differ per model.

4-3. A BOARD, ADJUSTMENT AFTER 1C003 (MEMORY) REPLACEMENT

- 1. Enter to Service Mode.
- 2. Press commander buttons "5" and "0" (Data Initialize), and "2" and "0" (Data Copy) to initialize the data.
- Call each item number, and check if the respective screen shows the normal picture.

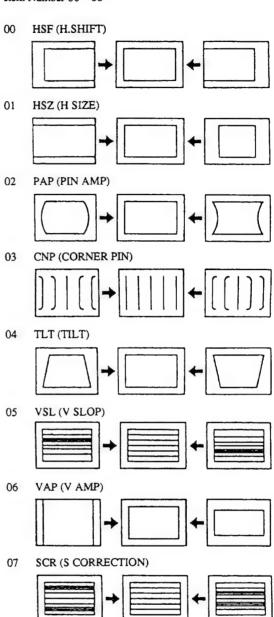
In case some items are not well-adjusted, give them fine adjustment.

Write the data per each item number (MUTE + 0).

- 4. Select item numbers "2A" (OP0) and "2B" (OP1) for mono, and 3F (OP0) and "40" (OP1) for STEREO, and respectively set the bit per model with command buttons "3" and "6".
- 5. Press commander buttons "8" and "0" (Test Normal) to return to the data that was set on the shipment from the factory.(= Cancel Service Mode.)

4-4. PICTURE DISTORTION ADJUSTMENT

Item Number 00 - 08

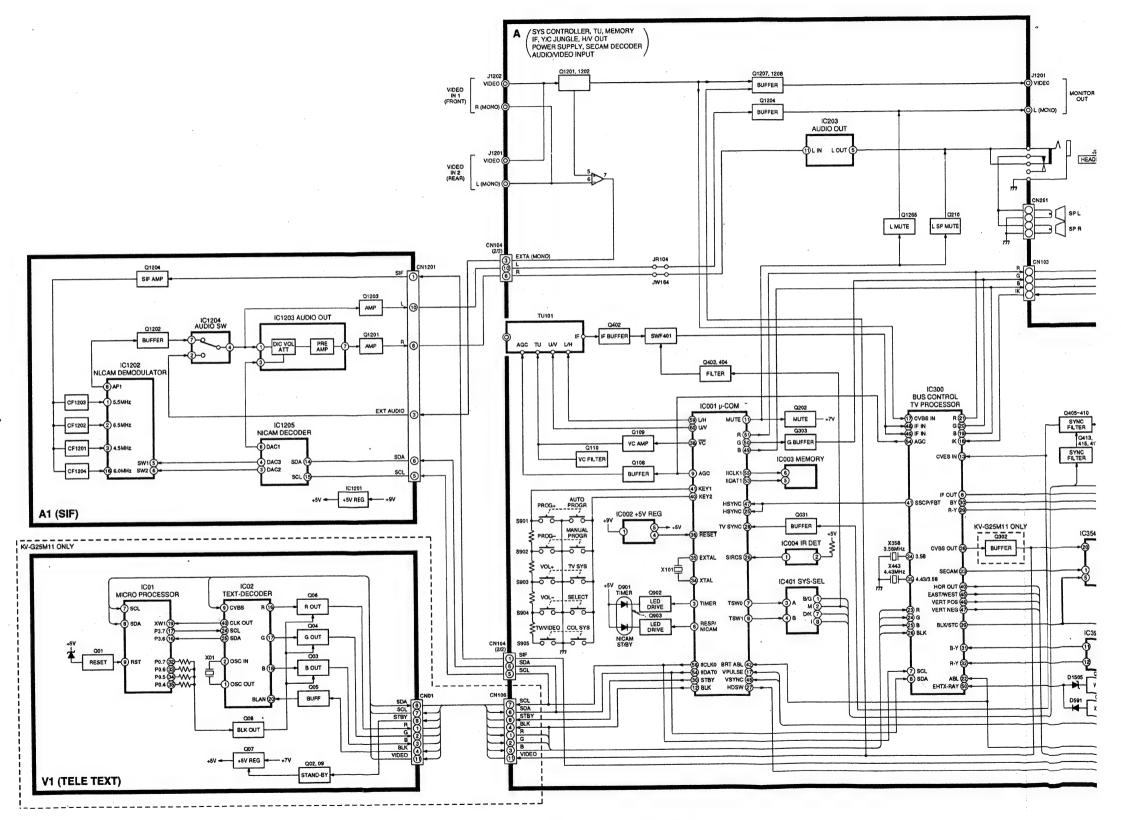


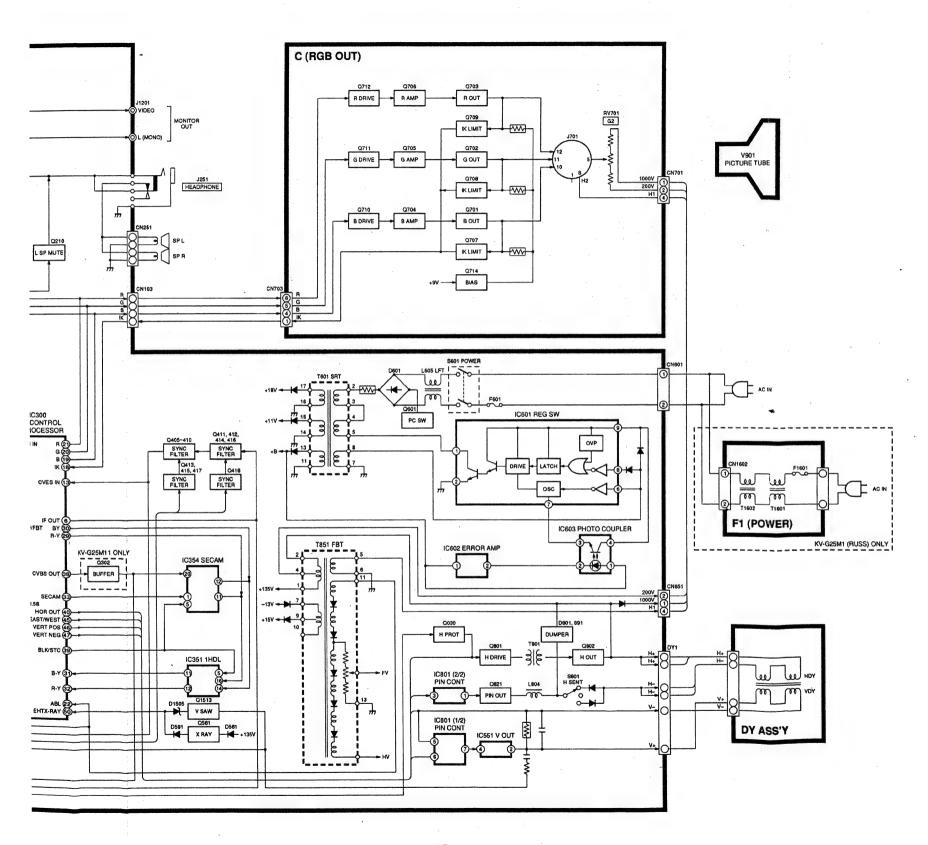
VSF (V SHIFT)

08

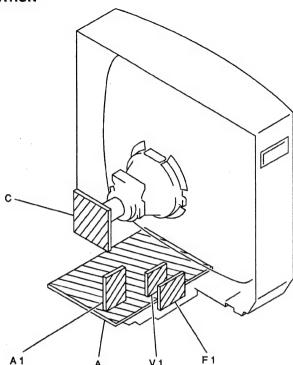
MEMO	
·	
•	
.,	

5-1. BLOCK DIAGRAMS





5-2. CIRCUIT BOARDS LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytic and tantalums.
- All resistors are in ohms. $k\Omega = 100\Omega$, $M\Omega = 1000k\Omega$
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm Rating electrical power 1/4W (CHIP: 1/10W)

inonflammable resistor.
Δ : internal component.

: panel designation, or adjustment for repair.

 All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

Readings are taken with a color-bar signal input.

no mark: PAL (): SECAM

(): NTSC 4.43

- Readings are taken with a 10 MΩ digital multimeter.
- Voltage are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- * : Can not be measured.
- Circled numbers are waveform reference.
- : B + bus. • : B - bus.
- signal path.

Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFRAMMABLE CARBON
•	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: RW	NONFLAMMABLE WIREWOUND
	: ※	ADJUSTMENT RESISTOR
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	:PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

Note: The component identified by shading and mark

\(\frac{\Lambda}{A} \) are critical for safety. Replace only with part number specified.

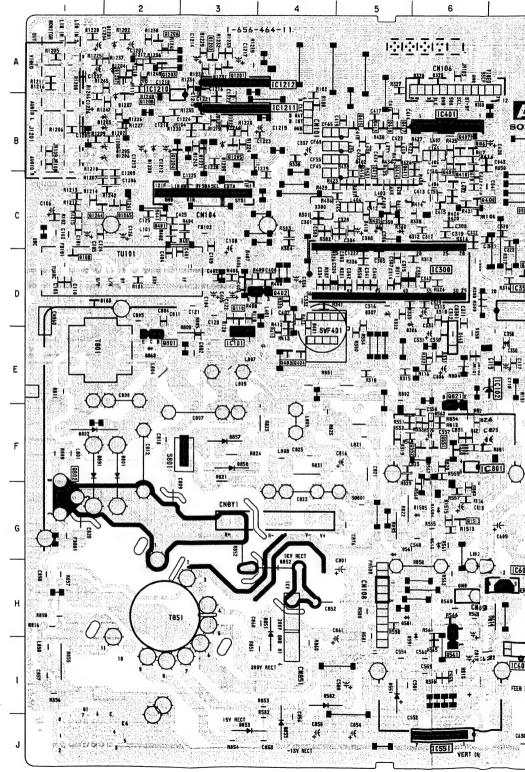
PRINTED WIRING BOARD

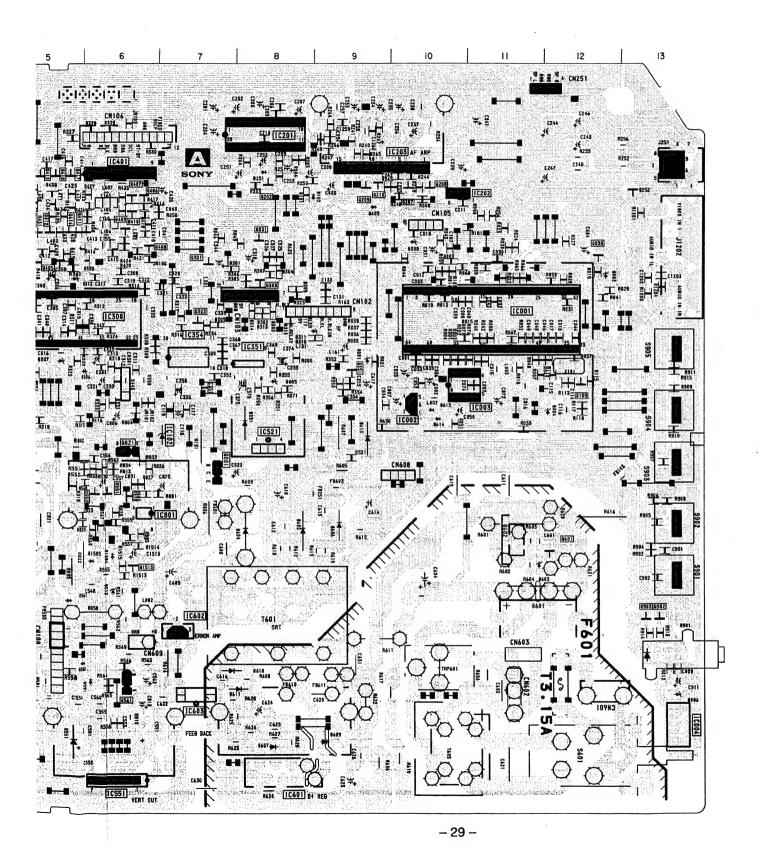
A BOARD

A

- A Board -

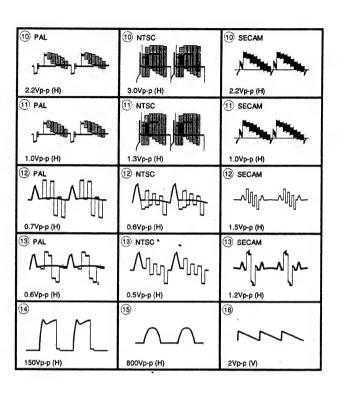
[SYS CONTROLLER, TU, MEMORY, IF, Y/C JUNGLE H/V OUT, POWER SUPPLY, SECAM DECODER, AUDIO/VIDEO INPUT]





A BOARD WAVEFORMS

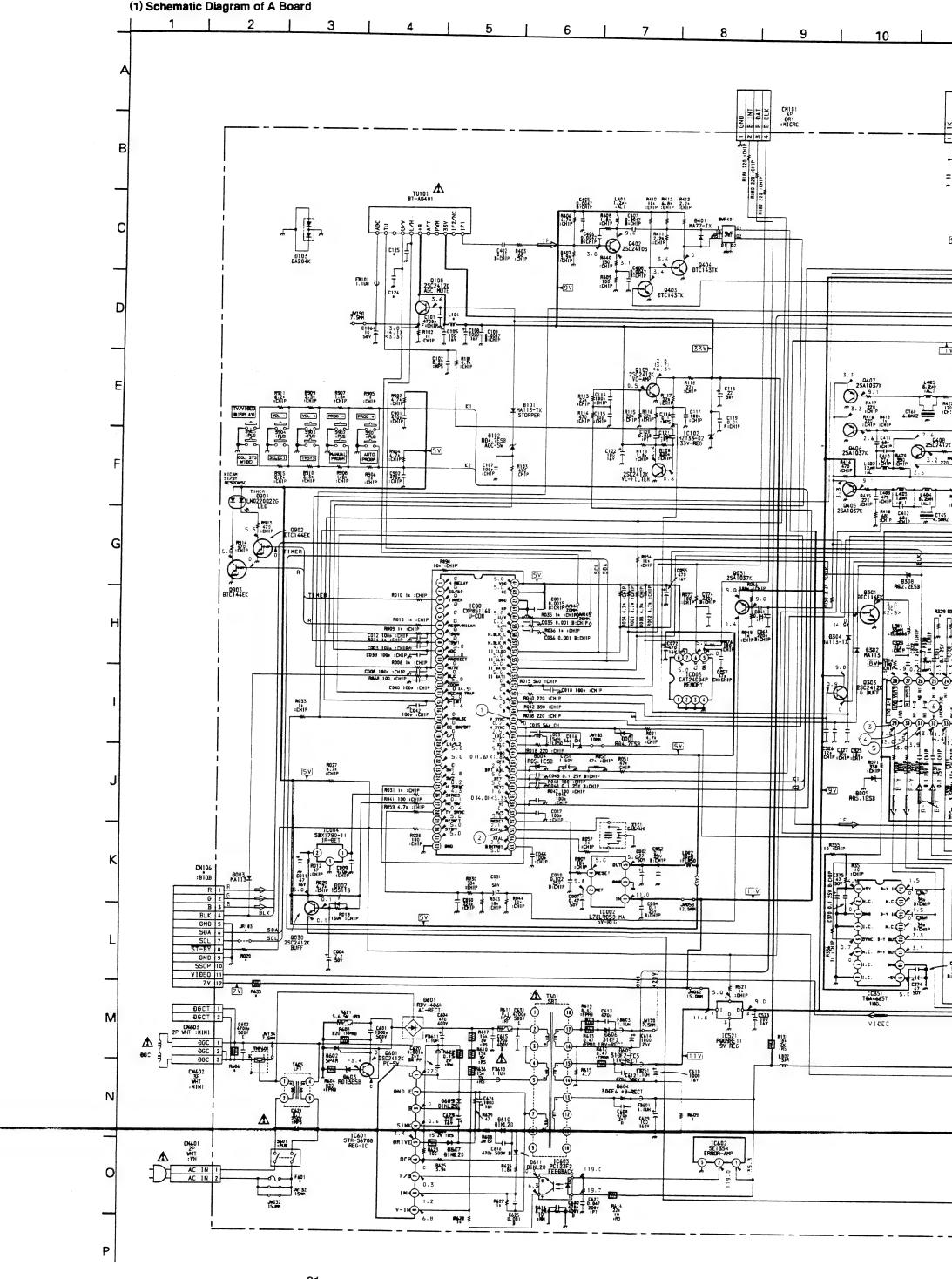
①	2	③ PAL
	$\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{$	
5.0Vр-р (Н)	4.0Vp-p	0.7Vp-p (H)
③ NTSC	③ SECAM	4 PAL
$\sqrt{M}\sqrt{M}$		
0.6Vp-p (H)	1.6Vp-p (H)	0.6Vp-p (H)
4 NTSC	4 SECAM	5 PAL/SECAM
MAPAR I	-1/2-1/2-	
О.4Vp-р (H)	1.2Vp-p (H)	PAL: 1.3Vp-p (H) SECAM: 1.5Vp-p (H)
(5) NTSC	6 PAL/SECAM	6 NTSC
$\sqrt{M}\sqrt{M}$	-~[]~\[]	May May
0.8Vp-p (H)	PAL: 1.0Vp-p (H) SECAM: 1.2Vp-p (H)	0.6Vp-p (H)
7 PAL/SECAM	7 NTSC	8 PAL/SECAM
3.6Vp-p (H)	4.0Vp-p (H)	3.3Vp-p (H)
® NTSC	PAL: 3.4Vp-p (H) SECAM: 3.0Vp-p (H)	NTSC A.OVp-p (H)

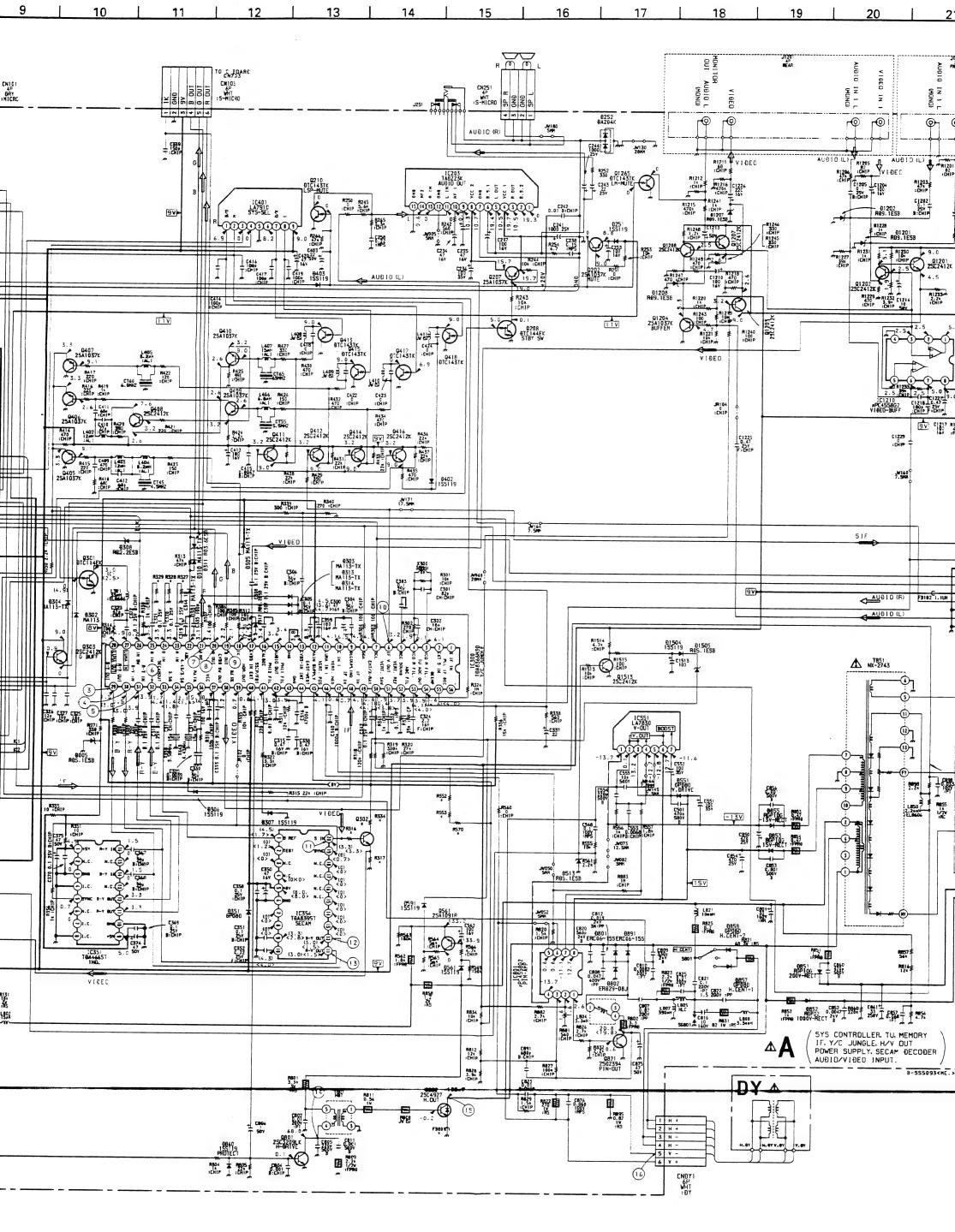


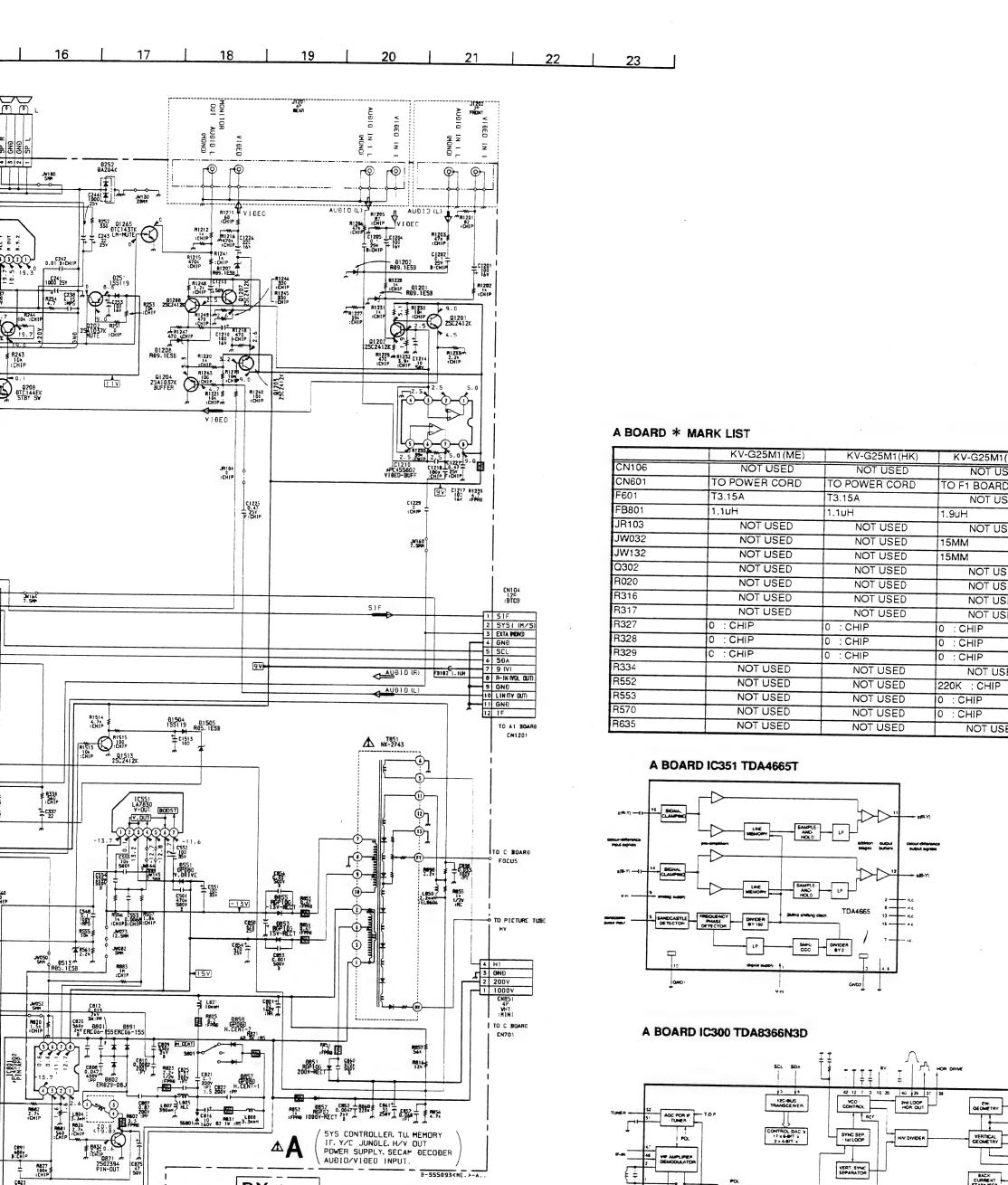


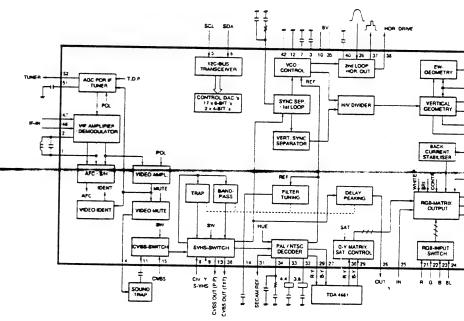
NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.









DX

MA29 1.51 1.WIP 185

R895 70.82 :RS

(16)

CNDY1 6P WHT : DY

SYS CONTROLLER, TU, MEMORY IF. Y/C JUNGLE, H/V OUT POWER SUPPLY, SECAM DECODER AUDIO/VIDEO INPUT.

B-955093<HE.>-A.

2 SYS1 (H/S)
3 EXTA PROND
4 GNÐ
5 SCL
6 SÐA
7 9 (V)
6 R-IN MOL DUT)
9 GNÐ
10 LIN (TY DUT)
11 GNÐ

TO A1 BOARS CN1201

FOCUS

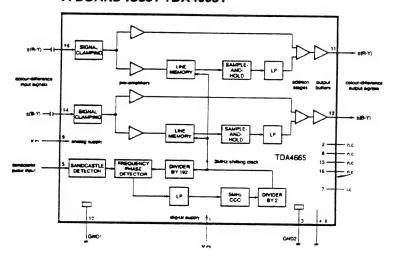
3 GND 2 200V 1000V CNB51 4P WHT :HINI

EN701

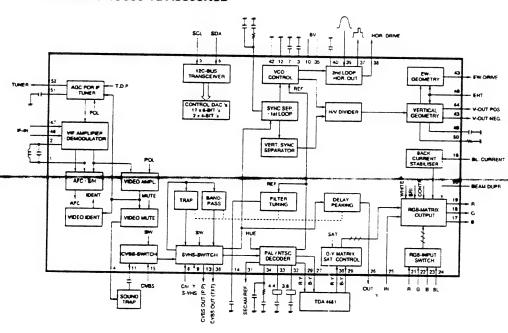
A BOARD * MARK LIST

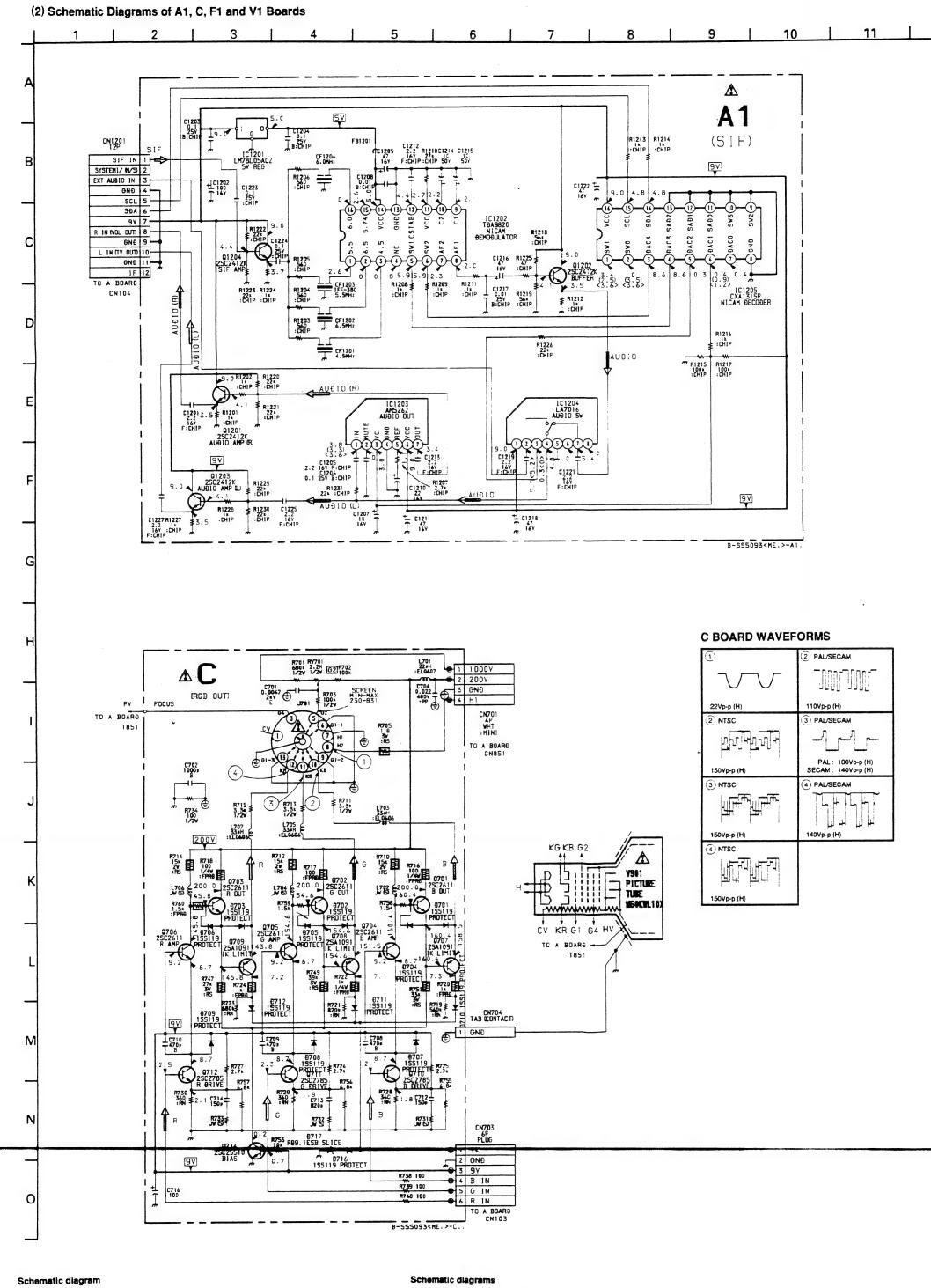
	KV-G25M1(ME)	KV-G25M1(HK)	KV-G25M1(RUSS)	KV-G25M11
CN106	NOT USED	NOT USED	NOT USED	12P : BTOB
CN601	TO POWER CORD	TO POWER CORD	TO F1 BOARD CN1602	TO POWER CORD
F601	T3.15A	T3.15A	NOT USED	T3.15A
FB801	1.1uH	1.1uH	1.9uH	1.1uH
JR103	NOT USED	NOT USED	NOT USED	0 : CHIP
JW032	NOT USED	NOT USED	15MM	NOT USED
JW132	NOT USED	NOT USED	15MM	NOT USED
Q302	NOT USED	NOT USED	NOT USED	2SC2412K
R020	NOT USED	NOT USED	NOT USED	100 : CHIP
R316	NOT USED	NOT USED	NOT USED	4.7K : CHIP
R317	NOT USED	NOT USED	NOT USED	1K : CHIP
R 32 7	0 : CHIP	0 : CHIP	0 : CHIP	100 : CHIP
R328	0 : CHIP	0 : CHIP	0 : CHIP	100 : CHIP
R329	C : CHIP	0 : CHIP	0 : CHIP	100 : CHIP
R334	NOT USED	NOT USED		470 : CHIP
R552	NOT USED	NOT USED		220K : CHIP
R 55 3	NOT USED	NOT USED		0 : CHIP
R570	NOT USED	NOT USED		0 : CHIP
R 63 5	NOT USED	NOT USED		22 2W :RS

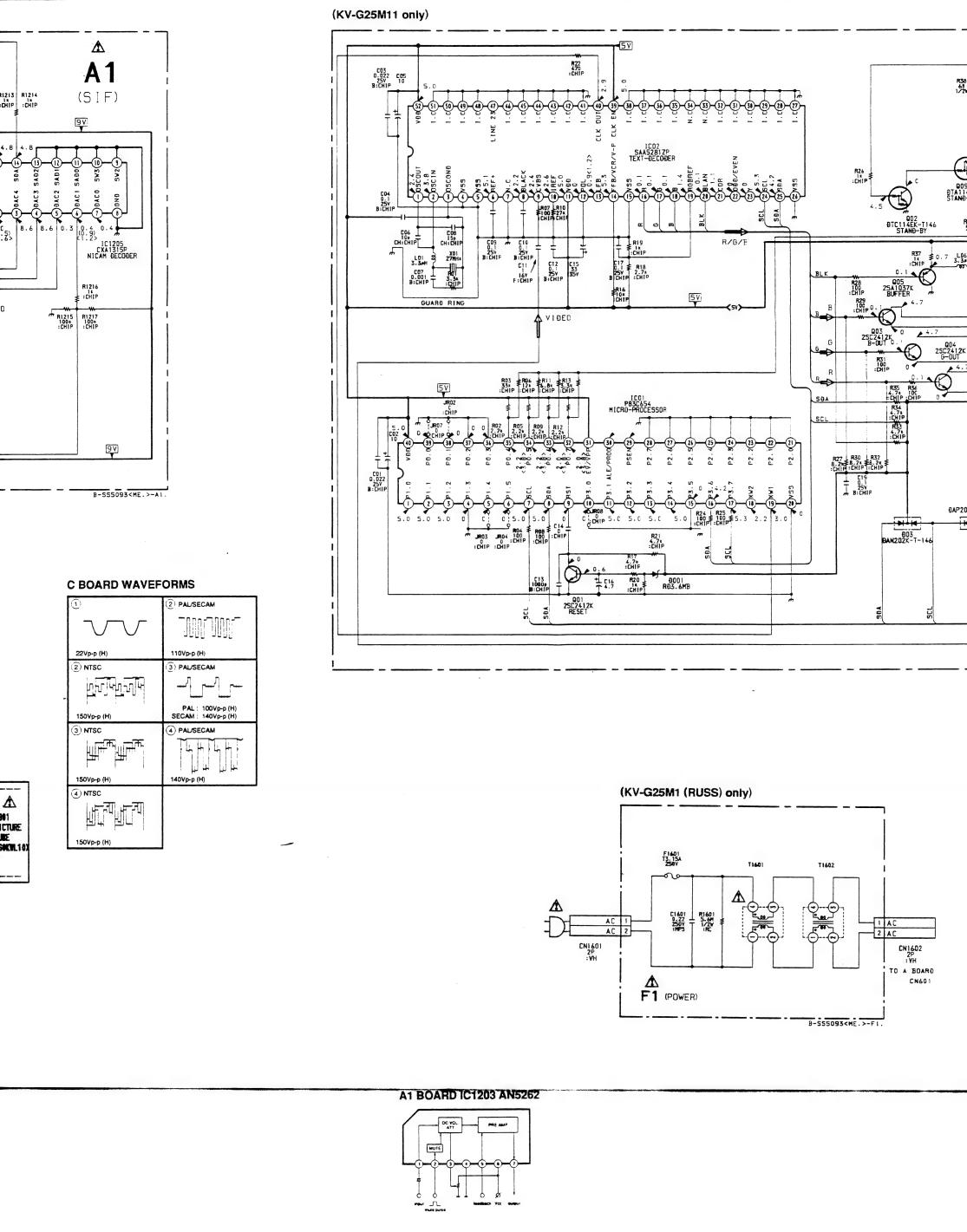
A BOARD IC351 TDA4665T

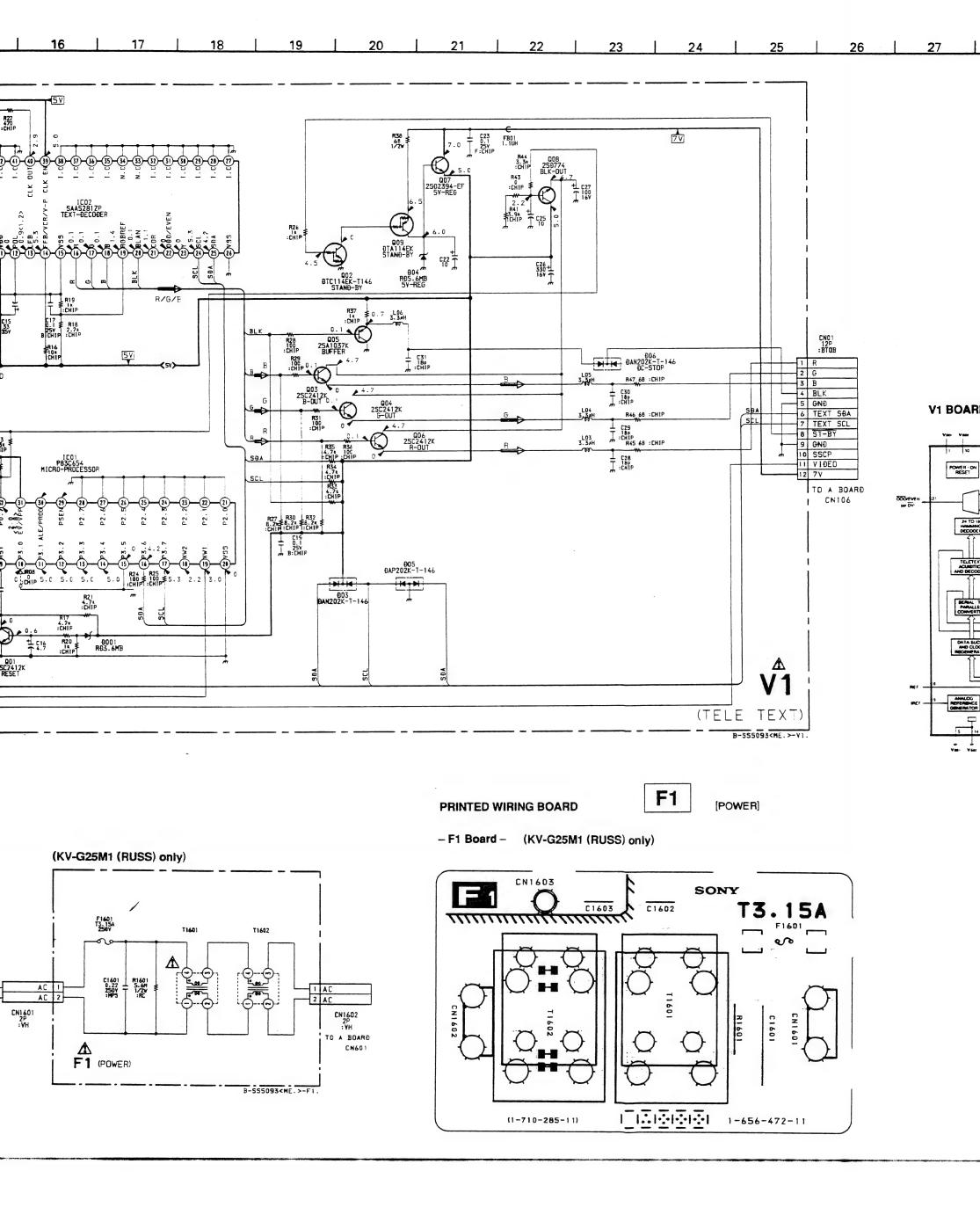


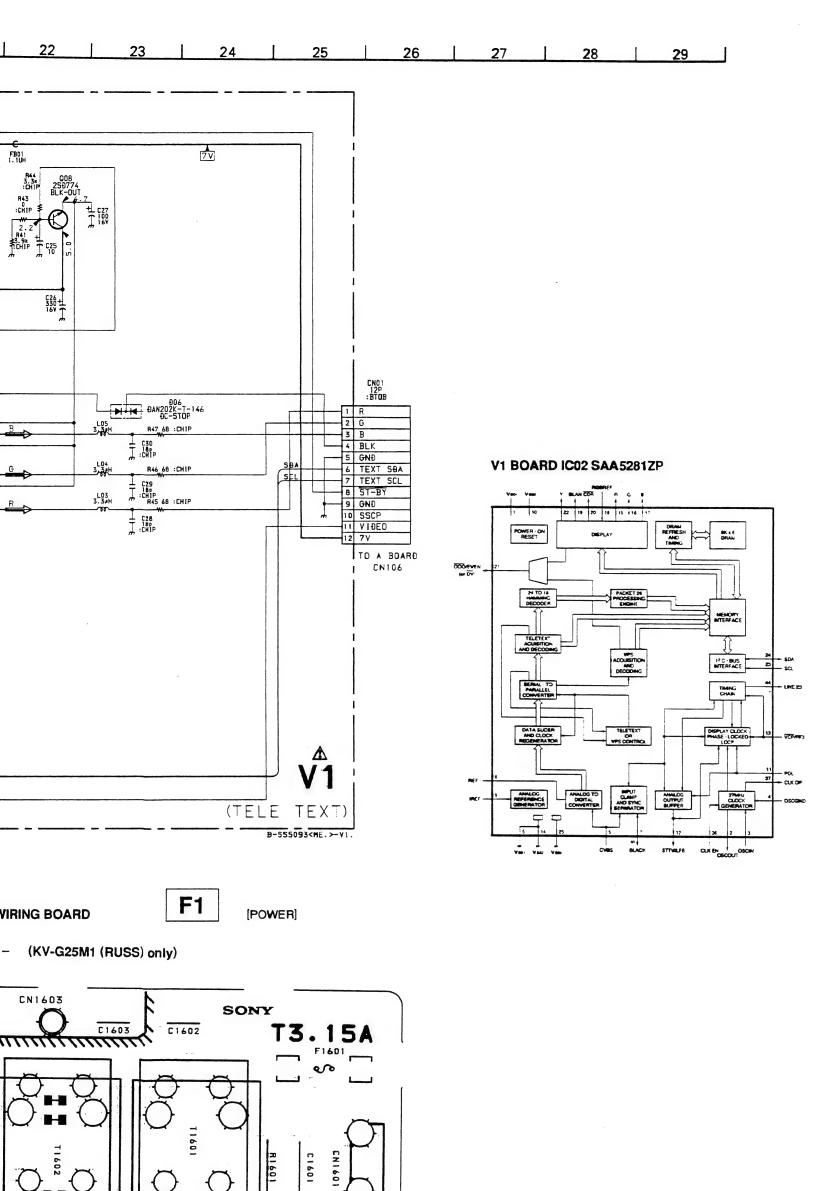
A BOARD IC300 TDA8366N3D











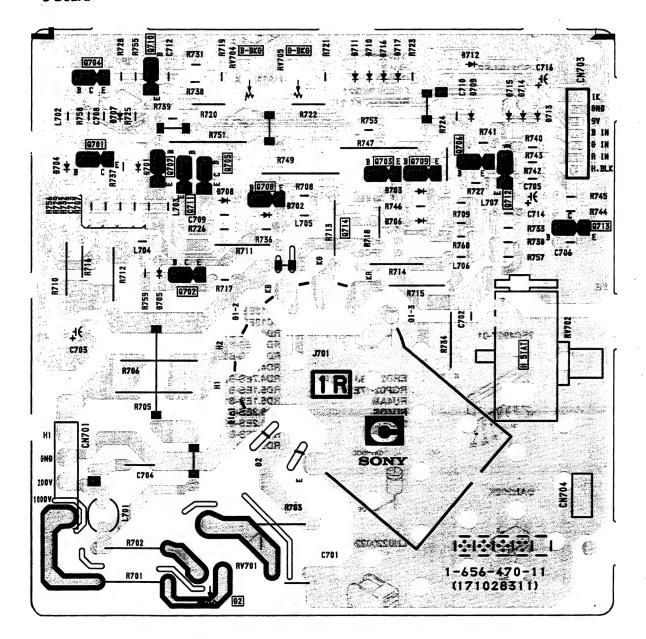
1-656-472-11

(1-710-285-11)

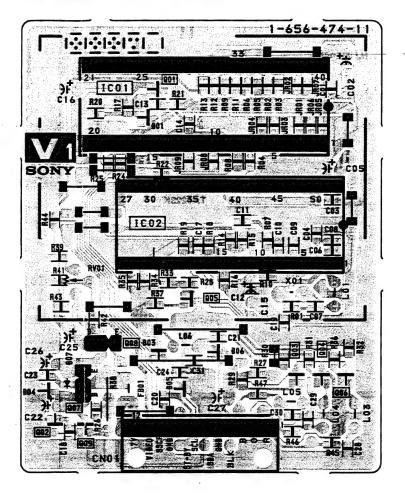
[RGB OUT]

[TELE TEXT]

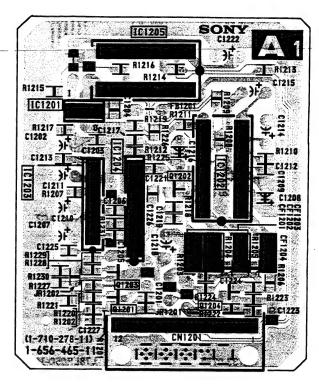
- C Board -



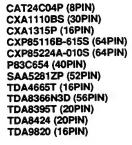
- V1 Board - (KV-G25M11 only)

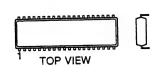


- A1 Board -



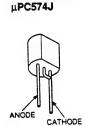
AN5262





Dual In-line Package Pin 6 ~ 98

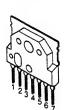
HZT33-02TE



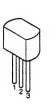
LA7016



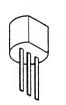
LA7830



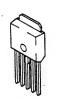
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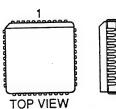
LM78L05ACZ



L78LR05D-MA



MSP3410 (44PIN)



Quad Flat J-leaded Package Pin 20 ~ 996

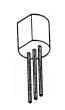
NJM2234L



NJM7805FA



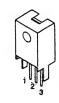
NJM78L12A



PQ09RE11



SBX1790-11 SBX1790-51



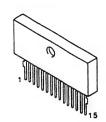
SE-135N



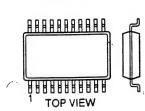
STR-S6708



TA8223K



µРС4558G2 (8PIN)



Small Outline L-leaded Package Pin 8 ~ 98

DTA114EK DTC114EK DTC143TK DTC144EK 2SA1037K-QR 2SA1162-G 2SC1623-L5L6 2SC2412K-QR 2SC2712-YG



2SA1091 2SA1091-0 2SC2551-O



2SC2410SN 2SC2785-HFE



2SC2611



2SC2669-O



2SC3209LK 2SD774-34



2SD2394-EF



2SD2394-F











GP08D





2SC4927-01



DAN202K



DAP202K



DA204K



D1NL20 EL-1Z GP08DPKG23 RGP10GPKG23



ERC06-15S



S3L20UF4

ERD29-08J









LN4SB60 **RBV-406H**

MA113-TX

MA77-TX

RD13ES-B RD13ES-B2 RD2.2ES-B

RD3.6ES-B

RD3.6ES-B1

RD4.7ES-B

RD4.7ES-B2

RD5.1ES-B

RD5.1ES-B1 RD8.2ES-B

RD8.2ES-B2

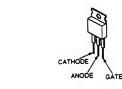
RD9.1ES-B

RD9.1ESL

RD3.6M-B RD3.6M-B1 RD5.6M-B RD5.6M-B2

CATHODE

CATHODE



PC123F2

5P4M





- 42 -

RM-870

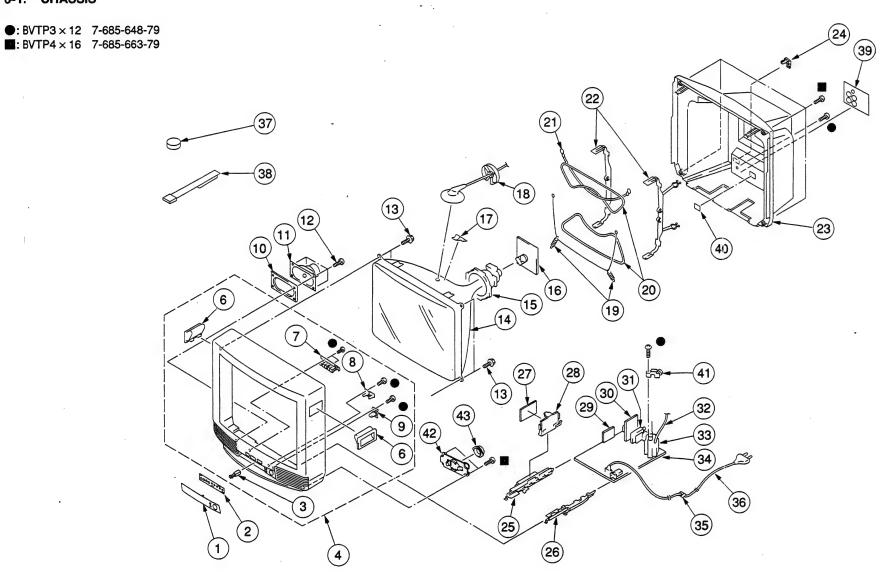
TE:

- · Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

SECTION 6 **EXPLODED VIEWS**

The components identified by shading and mark △ are critical for safety.
Replace only with part number specified.

6-1. CHASSIS



REF. NO.	PART NO.	DESCRIPTION , REMARK
1 2 3 4 6	4-048-575-11	
7 8 9 10 11	4-049-123-01 4-048-688-01 4-037-613-01	BUTTON, MULTI GUIDE, LIGHT BUTTON, POWER CUSHION, SP SPEAKER (5X12CM)
13 14	4-390-505-01 1 8-733-242-05 1 8-451-404-11	SCREW, STEP TAPPING SCREW (7), TAPPING PICTURE TORE (MGOKWLIOX) DEFINCTION YORE (Y25GXAS) C BOARD, COMPLETE
17 18 19 20 21	4-369-318-61 1-403-619-11	HOLDER, HV CABLE
22 23 24 25 26		COVER, REAR
28 29 30	* 4-049-158-01 * A-1347-103-A * A-1292-869-A	F1 BOARD, COMPLETE (KV-G25M1 (RUSS)) BRACKET, F1 PC BOARD (KV-G25M1 (RUSS)) V1 BOARD, COMPLETE (KV-G25M11) A1 BOARD, COMPLETE TUNER B1-AG491
32 33 34	^ 1-453-190-1 * A-1297-513-A * A-1297-552-A	LEAD ASSY, FOCUS TRANSPONDER FLYBACK (NX-2743//M3B) A BOARD, COMPLETE (KV-G25M1 (ME)) A BOARD, COMPLETE (KV-G25M1 (HK)) A BOARD, COMPLETE (KV-G25M1 (RUSS))
	6.4-389-778-11 6.1-574-062-22	A BOARD, COMPLETE (KV-G25M11) HOLDER, AC COMB GROUP POWER (MEAN COMMETOR) CASCA POWER AND TO THE COMMETOR) GROUP POWER AND TO THE COMMETOR (MC COMMETOR) (KV COMMETOR OF THE COMMETOR)
37 38 39 40 41	X-4387-214-1 4-049-121-01 4-049-416-01 4-039-460-01	MAGNET, DISC PERMALOY ASSY, CORRECTION LABEL, TERMINAL SHEET, BLIND HOLDER, FBT BRACKET, SPEAKER
42	4-045-124-01	DIMOREI, STEARER

1-544-453-21 SPEAKER (2CM)

SECTION 7 **ELECTRICAL PARTS LIST**



REF. NO. PART NO.

DESCRIPTION

NOTE:		" are not stocked since RESISTORS		C101	1 162 020 11 CEDANTC CUID 0 0047MC EOV
	service. Some	e delay should be • All resistors are in ohms	S	R1224 1-216-049-00 METAL GLAZE 1K 5% 1/10W C101 R1225 1-216-017-00 METAL GLAZE 47 5% 1/10W	1-163-029-11 CERAMIC CHIP 0.0047MF 50V
The components identified by shading	anticipated when	ordering these items. • F : nonflammable		K1225 1-216-017-00 METAL GLAZE 47 5% 1710W	1-136-169-00 FILM 0.22MF 5% 50V
and mark \triangle are critical for safety. Replace only with part number specified.	·			R1226 1-216-081-00 METAL GLAZE 22K 5% 1/10W C105	1-104-665-11 ELECT 100MF 20% 16V
Replace only with part number specified.	All variable and ac	djustable resistors have		R1227 1-216-049-00 METAL GLAZE 1K 5% 1/10W C106	1-124-907-11 ELECT 10MF 20% 50V
		• MF : μF, PF : μμF		R1228 1-216-049-00 METAL GLAZE 1K 5% 1/10W C107	1-163-117-00 CERAMIC CHIP 100PF 5% 50V
When indicating parts by reference number,	noted.	TO D, amous calcimos		R1229 1-216-081-00 METAL GLAZE 22K 5% 1/10W C108	1-126-942-61 ELECT 1000MF 20% 16V
please include the board name.	noted.	COILS		R1230 1-216-081-00 METAL GLAZE 22K 5% 1/10W C109	1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V
		• ММН : µH, UH : µH		R1231 1-216-081-00 METAL GLAZE 22K 5% 1/10W C114	1-163-117-00 CERAMIC CHIP 100PF 5% 50V
		• •	•	C115	1-163-093-00 CERAMIC CHIP 10PF 5% 50V
•		•		**************************************	1-136-165-00 FILM 0.1MF 5% 50V
				C117	1-163-117-00 CERAMIC CHIP 100PF 5% 50V
				*A-1297-513-A A BOARD, COMPLETE (KV-G25M1(ME)) *A-1297-552-A A BOARD, COMPLETE (KV-G25M1(HK)) C118	1-124-916-11 ELECT 22MF 20% 50V
DED NO DARK NO DECORDEDAN	REMARK	REF. NO. PART NO. DESCRIPTION	REMARK	*A-1297-554-A A BOARD, COMPLETE (KV-G25M1 (RUSS)) C119	1-163-059-00 CERAMIC CHIP 0.01MF 50V
REF. NO. PART NO. DESCRIPTION	REMARK	Mar. No. 1111 No. Decorat 110.		*A-1297-566-A A BOARD, COMPLETE (KV-G25M11) C120	1-130-493-00 MYLAR 0.068MF 5% 50V
+ 1 1000 CCO 4 41 POARD COMDITE		<ferrite bead=""></ferrite>		**************************************	1-130-493-00 MYLAR 0.068MF 5% 50V
* A-1292-869-A A1 BOARD, COMPLET:	<u>.</u>		n	1-533-223-11 CLIP, FUSE	1-104-665-11 ELECT 100MF 20% 16V
		FB1201 1-412-911-11 INDUCTOR, FERRITE BEA	ש	*1-580-798-11 CONNECTOR PIN (DY) 6P C124	1-163-029-11 CERAMIC CHIP 0.0047MF 50V
				*4-049-131-01 CASE (A), SHIELD C125	1-163-029-11 CERAMIC CHIP 0.0047MF 50V
<capacitor></capacitor>		<ic></ic>		4-382-854-11 SCREW (M3X10), P, SW (+)	1-104-664-11 ELECT 47MF 20% 16V
C1201 1-164-505-11 CERAMIC CHIP 2.2M	F 16V			C235	1-104-664-11 ELECT 47MF 20% 16V 1-126-968-11 ELECT 100MF 20% 35V
C1201 1-164-505-11 CERAMIC CHIP 2.2M C1202 1-104-665-11 ELECT 100M		IC1201 8-759-991-41 IC LM78L05ACZ		C236 CAPACITOR>	1-120-900-11 ELECT 100mr 20% 334
C1203 1-164-004-11 CERAMIC CHIP 0.1M	F 10% 25V	IC1202 8-759-070-71 IC TDA9820 IC1203 8-759-248-80 IC AN5262-(NT)		C237	1-104-665-11 ELECT 100MF 20% 16V
C1204 1-164-004-11 CERAMIC CHIP 0.1M	F 10% 25V	IC1203 8-759-248-80 IC AR0202-(R1)		C001 1-163-011-11 CERAMIC CHIP 0.0015MF 10% 50V C238	1-136-167-00 FILM 0.15MF 5% 50V
C1205 1-164-505-11 CERAMIC CHIP 2.2M	F 16V	IC1205 8-752-057-18 IC CXA1315P		C002 1-124-916-11 ELECT 22MF 20% 50V C241	1-124-557-11 ELECT 1000MF 20% 25V 1-164-232-11 CERAMIC CHIP 0.01MF 10% 50V
C1206 1-164-004-11 CERAMIC CHIP 0.1M	F 10% 25V			C003 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C242 C004 1-124-925-11 ELECT 2.2MF 20% 50V C243	1-164-232-11 CERAMIC CHIP 0.01MF 10% 50V 1-126-233-11 ELECT 22MF 20% 25V
C1207 1-126-157-11 ELECT 10MF		<transistor></transistor>		C004 1-124-925-11 ELECT 2.2MF 20% 50V C243 C007 1-124-902-00 ELECT 0.47MF 20% 50V	1-120-200-11 hadet 20m 20m
C1208 1-164-232-11 CERAMIC CHIP 0.01		<1KAN31310K>		C244	1-124-557-11 ELECT 1000MF 20% 25V
C1209 1-104-664-11 ELECT 47MF		Q1201 8-729-120-28 TRANSISTOR 2SC1623-L5	5L6	C008 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C253	1-104-665-11 ELECT 100MF 20% 16V
C1210 1-124-234-00 ELECT 22MF	20% 16V	Q1202 8-729-120-28 TRANSISTOR 2SC1623-L5		C009 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C258 C010 1-163-037-11 CERAMIC CHIP 0.022MF 10% 25V C300	1-136-169-00 FILM 0.22MF 5% 50V 1-104-664-11 ELECT 47MF 20% 16V
C1211 1-104-664-11 ELECT 47MF	20% 16V	Q1203 8-729-120-28 TRANSISTOR 2SC1623-L5		C010 1-163-037-11 CERAMIC CHIP 0.022MF 10% 25V C300 C011 1-104-664-11 ELECT 47MF 20% 16V C301	1-163-249-11 CERAMIC CHIP 82PF 5% 50V
C1212 1-164-505-11 CERAMIC CHIP 2.2M	F 16V	Q1204 8-729-120-28 TRANSISTOR 2SC1623-LE	DL0	C012 1-163-117-00 CERAMIC CHIP 100PF 5% 50V	
C1213 1-164-505-11 CERAMIC CHIP 2.2M				C302	1-163-099-00 CERAMIC CHIP 18PF 5% 50V
C1214 1-124-907-11 ELECT 10MF C1215 1-124-907-11 ELECT 10MF		<resistor></resistor>		C015 1-101-884-00 CERAMIC 56PF 5% 50V C303 C016 1-101-884-00 CERAMIC 56PF 5% 50V C304	1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V
C1215 1-124-507-11 E12501 10ML	20% 001	R1201 1-216-049-00 METAL GLAZE 1K	5% 1/10W	C016 1-101-884-00 CERAMIC 56PF 5% 50V C304 C017 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C305	1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V
C1216 1-104-664-11 ELECT 47MF		R1201 1-216-049-00 METAL GLAZE 1K R1202 1-216-049-00 METAL GLAZE 1K	5% 1/10W	C018 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C306	1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V
C1217 1-164-232-11 CERAMIC CHIP 0.01		R1203 1-216-043-91 METAL GLAZE 560	5% 1/10W	C030 1-163-125-00 CERAMIC CHIP 220PF 5% 50V	A A A A A A A A A A A A A A A A A A A
C1218 1-104-664-11 ELECT 47MF C1219 1-164-505-11 CERAMIC CHIP 2.2M		R1204 1-216-043-91 METAL GLAZE 560	5% 1/10W	C307 C031 1-124-903-11 FLECT 1MF 20% 50V C308	1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V
C1219 1-164-505-11 CERAMIC CHIP 2.2M		R1205 1-216-043-91 METAL GLAZE 560	5% 1/10W	C031 1-124-903-11 ELECT 1MF 20% 50V C308 C034 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C309	1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V
		R1206 1-216-043-91 METAL GLAZE 560	5% 1/10W	CO35 1-163-009-11 CERAMIC CHIP 0.001M 10 50V C310	1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V
C1222 1-104-664-11 ELECT 47MI		R1207 1-216-059-00 METAL GLAZE 2.7K	5% 1/10W	C036 1-163-009-11 CERAMIC CHIP 0.001M 10% 50V C311	1-163-097-00 CERAMIC CHIP 15PF 5% 50V
C1223 1-164-004-11 CERAMIC CHIP 0.18 C1224 1-164-004-11 CERAMIC CHIP 0.18	F 10% 25V F 10% 25V	R1208 1-216-049-00 METAL GLAZE 1K	5% 1/10W	C039 1-163-117-00 CERAMIC CHIP 100PF 5% 50V	1-163-097-00 CERAMIC CHIP 15PF 5% 50V
C1224 1-164-505-11 CERAMIC CHIP 2.28		R1209 1-216-049-00 METAL GLAZE 1K	5% 1/10W	CO40 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C313	1-103-037-00 CERTAINIC CHIT 1317 32 30V 1-104-665-11 ELECT 100MF 20% 16V
C1227 1-164-505-11 CERAMIC CHIP 2.2	F 16V	R1210 1-216-083-00 METAL GLAZE 27K	5% 1/10W	CO40 1-183-117-00 CERAMIC CHII 10017 5% 50V C314	1-164-232-11 CERAMIC CHIP 0.01MF 10% 50V
		R1211 1-216-065-00 METAL GLAZE 4.7K	5% 1/10W	CO42 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C315	1-165-320-11 CERAMIC CHIP 0.47MF 10% 16V
<filter></filter>		R1212 1-216-049-00 METAL GLAZE 1K	5% 1/10W	CO43 1-163-001-11 CERAMIC CHIP 220PF 10% 50V C316	1-102-125-00 CERAMIC 0.0047MF 10% 50V
<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>		R1213 1-216-049-00 METAL GLAZE 1K	5% 1/10W	€044 1-163-117-00 CERAMIC CHIP 100PF 5% 50V	1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V
CF1201 1-527-943-00 FILTER, CERAMIC	•	R1214 1-216-049-00 METAL GLAZE 1K R1215 1-216-097-00 METAL GLAZE 100K	5% 1/10W 5% 1/10W	CO46 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C320	1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V
CF1202 1-567-101-11 FILTER, CERAMIC		R1215 1-216-097-00 METAL GLAZE 100K	ON 1/1011	C048 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C321	1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V
CF1203 1-567-099-00 FILTER, CERAMICO		R1216 1-216-049-00 METAL GLAZE 1K	5% 1/10W	CO49 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C322	1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V
CF1204 1-567-100-00 FILTER, CERAMIC		R1217 1-216-097-00 METAL GLAZE 100K	5% 1/10W	C050 1-124-903-11 ELECT 1MF 20% 50V C323 C052 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V	1-163-109-00 CERAMIC CHIP 47PF 5% 50V
		R1218 1-216-081-00 METAL GLAZE 22K R1219 1-216-081-00 METAL GLAZE 22K	5% 1/10W 5% 1/10W	C052 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C324	1-164-337-11 CERAMIC CHIP 2.2MF 16V
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011001 #1 880 840 11 000BM0000 B0100	מים מתוחת מים	ALLES I SEC COL OU MAILE CEMEN MAIL		C057 1-163-243-11 CERAMIC CHIP 47PF 5% 50V C326	1-163-095-00 CERAMIC CHIP 12PF 5% 50V
CN1201 * 1-770-748-11 CONNECTOR, BOARD	IO DUMMU 127	R1221 1-216-081-00 METAL GLAZE 22K	5% 1/10W	C072 1-126-941-11 ELECT 470MF 20% 16V C327 C074 1-163-001-11 CERAMIC CHIP 220PF 10% 50V C329	1-163-093-00 CERAMIC CHIP 10PF 5% 50V 1-163-016-00 CERAMIC CHIP 0.0039MF 10% 50V
		R1222 1-216-081-00 METAL GLAZE 22K	5% 1/10W 5% 1/10W	C074 1-163-001-11 CERAMIC CHIP 220PF 10% 50V C329	1 100 VIO-00 ODIGENIO ONII V. VOODER IVE OVI
		R1223 1-216-081-00 METAL GLAZE 22K	JA 1/10"		

REMARK | REF. NO. PART NO.

DESCRIPTION

REMARK



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION REMARK
C1225 C1226 C1229 C1513	1-124-120-11	CONDUCTOR, CHIP (2012)	V	D591 D601 D602 D603 D604	8-719-052-84 8-719-108-18	DIODE 1SS119-25 DIODE RBV-406H-02 THYRISTOR 5P4M DIODE RD13EST1B DIODE RU4DS
CN101	*1-560-124-00	<connector> PLUG, CONNECTOR (2.5MM) 4P</connector>		D605 D606 D607 D609	8-719-052-52 8-719-510-26 8-719-510-26	DIODE DINL20
CN104	*1-770-747-11	PLUG, CONNECTOR 6P CONNECTOR, BOARD TO BOARD 12P CONNECTOR, BOARD TO BOARD 12P (KV-G25M1)		D610 D611 D801		DIODE DINL20 DIODE DINL20 DIODE ERCO6-15S
CN601	*1-580-843-11	PLUG, CONNECTOR 4P PIN, CONNECTOR (POWER) PIN, CONNECTOR (5MM PITCH) 3P		D802 D851 D852	8-719-302-43	DIODE ERD29-08J DIODE EL1Z DIODE RGP02-17EL-6433
CN603	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P PIN, CONNECTOR (5MM PITCH) 4P		D853 D855 D857 D858	8-719-302-43 8-719-302-43 8-719-908-03 8-719-908-03	DIODE EL1Z DIODE GPO8D
CT45 CT55 CT60 CT65	1-404-801-11 1-409-429-11	<trimmer> TRAP, CERAMIC TRAP, CERAMIC TRAP, CERAMIC TRAP, CERAMIC TRAP, CERAMIC (6.5MHZ)</trimmer>		D860 D891 D901 D1201 D1202 D1207	8-719-945-80 8-719-054-60 8-719-121-24 8-719-121-24	DIODE ERCO6-15S DIODE LN0220022G DIODE RD9. 1ESL DIODE RD9. 1ESL DIODE RD9. 1ESL
D001	8-719-109-81	<diode> DIODE RD4. 7ESB2</diode>		D1208 D1504 D1505	8-719-121-24 8-719-911-19	DIODE RD9. 1ESL DIODE 1SS119-25 DIODE RD5. 1ESB1
D002 D003 D004 D005	8-719-041-97 8-719-109-84	DIODE 1SS119-25 DIODE MA113-(TX) DIODE RD5. 1ESB1 DIODE RD5. 1ESB1				<fuse></fuse>
D101 D102 D103	8-719-109-81 8-719-914-42	DIODE MA113-(TX) DIODE RD4.7ESB2 DIODE DA204K DIODE 1SS119-25		F601_Z	A 1-532-237-11	FUSE, TIME_LAG (BET) 3.15A/250V (KV-C25MT(ME)/(HK), KV-C25M11) <ferrite bead=""></ferrite>
D251 D252 D301 D302 D303	8-719-914-42 8-719-041-97 8-719-041-97	DIODE DA204K DIODE MA113-(TX) DIODE MA113-(TX) DIODE MA113-(TX)		FB101 FB102 FB251 FB601	1-410-397-21 1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH FERRITE BEAD INDUCTOR 1.1UH FERRITE BEAD INDUCTOR 1.1UH FERRITE BEAD INDUCTOR 1.1UH
D304 D305	8-719-041-97 8-719-911-19	7 DIODE MA113-(TX) 7 DIODE MA113-(TX) 9 DIODE 1SS119-25		FB603 FB610 FB611	1-410-397-21 1-410-397-21 1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH FERRITE BEAD INDUCTOR 1.1UH FERRITE BEAD INDUCTOR 1.1UH
D307 D308 D310 D311	8-719-109-54 8-719-041-97	D DIODE 1SS119-25 DIODE RD2. 2ESB2 DIODE MA113-(TX) DIODE RD3. 6ESB1		FB801 FB801		FERRITE BEAD INDUCTOR 1.1UH (KV-G25M1(ME)/(HK), KV-G25M11) COIL, AIR CORE (KV-G25M1(RUSS))
D312 D313 D314 D351 D401	8-719-041-97 8-719-041-97 8-719-908-03	B DIODE RD8.2ESB2 T DIODE MA113-(TX) DIODE MA113-(TX) DIODE GPO8D DIODE MA77		IC001 IC002 IC003 IC004	8-759-805-37 8-759-093-95	<ic> IC CXP85116B-615S IC L78LR05D-MA IC CAT24C04P ELEMENT, RAY-CATCHER SBX1790-11</ic>
D402 D403 D513 D551 D561	8-719-911-19 8-719-109-84 8-719-908-03	9 DIODE 1SS119-25 9 DIODE 1SS119-25 4 DIODE RD5.1ESB1 3 DIODE CPO8D 9 DIODE 1SS119-25		IC102 IC203 IC300 IC351	8-759-157-40 8-759-336-30 8-759-339-50 8-759-293-27	IC TA8223K IC TDA8366N3D



7. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION				REMARK
C330	3 164 004 11	CERAMIC CHIP	O IME	10%	25V	C609	1-126-600-11	FIFCT	100MF	20%	160V	
C332	1-136-165-00			5%	50V	C610	1-126-942-61			20%	16V	
C333		CERAMIC CHIP		10%	25V	C612	1-102-228-00				500V	
C335	1-102-973-00			5%	50V	C613	1-102-824-00		470PF	5%	50V	
C337	1-124-916-11			20%	50V	0010						
0001	1 121 010 11	55501	22111	20.0		C614	1-124-557-11		1000MF	20%	25V	
C338	1-165-320-11	CERAMIC CHIP	0.47MF	10%	16V	C615 A	1-164-497-51	CERAMIC	470PF	10%	400V	
C339		CERAMIC CHIP		5%	50V	C616	1-102-228-00	CERAMIC	470PF		500V	***************************************
C340	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	C620	1-136-619-11		0.0016MF	3%	2KV	
C342	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C621 A	1-136-548-13	FILM	0.1MF	20%	250V	
C344	1-124-907-11	ELECT	10MF	20%	50V							
						C622	1-106-383-00		0.047MF			
C350	1-104-664-11			20%	16V	C623	1-124-120-11		220MF	20%	16V	
C351		CERAMIC CHIP		10%	25V	C624	1-126-942-61		1000MF	20%	16V	
C352		CERAMIC CHIP		* 00	25V	C625	1-102-074-00		0.001MF		50V	
C358		CERAMIC CHIP		10%	25V	U030 Z	1-164-497-51	CERAMIC	4 (UTT	103	41374	
C359	1-104-665-11	ELECT	100MF	20%	16V	C631	1-161-830-00	CEDANIC	0.0047MF	00%	500V	
267	1 164 004 11	CERAMIC CHIP	A 11/E	10%	25V	C801	1-101-830-00		33MF	JJN	160V	
.367 C368		CERAMIC CHIP		10%	25V 25V	C802	1-106-367-00			1.0%	200V	
C369		CERAMIC CHIP		10%	25V	C804	1-163-009-11				50V	
C370		CERAMIC CHIP		10%	25V	C805	1-102-244-00				500V	
C374	1-124-910-11		47MF	20%	50V	0000	1 102 241 00	OBIGENIO	22011	2010		
0011	1 124 510 11	DDD01	11,1142	2010		C806	1-124-903-11	ELECT	1MF	20%	50V	
C375	1-124-910-11	ELECT	47MF	20%	50V	C807	1-136-540-11		0.82MF	5%	200V	
C402		CERAMIC CHIP		10%	50V	C808	1-130-959-00	FILM	0.047MF	10%	400V	
C403	1-124-916-11		22MF	20%	50V	C809	1-162-115-00	CERAMIC	330PF	10%	2KV	
C405	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	C810	1-106-365-00	MYLAR	0.0082MF	99%	200V	
C406	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V							
						C811	1-162-318-11		0.001M		500V	
407		CERAMIC CHIP			50V	C812	1-136-617-11		0.019M	3%	2KV	
C408		CERAMIC CHIP			50V	C816	1-123-947-00		10MF		160V	
C409		CERAMIC CHIP		5%	50V	C820	1-162-135-11		560PF	10%	2KV	
C410		CERAMIC CHIP		5%	50V	C821	1-106-391-12	MYLAK	0.1MF	10%	200V	
C411	1-163-113-00	CERAMIC CHIP	68PF	5%	50V	Conn	1 126 541 11	ETIM	1.5MF	5%	200V	
C410	1 100 110 00	CEDANTO CUID	CODE	EOV	50V	C822 C823	1-136-541-11	CERAMIC CHIP		10%	50V	
C412 C413	1-163-113-00	CERAMIC CHIP	100MF	5% 20%	16V	C825	1-104-232-11		0.01MF	10%		
C413		CERAMIC CHIP		20% 5%	50V	C850	1-124-480-11		470MF	20%	25V	
C414		CERAMIC CHIP			50V	C852	1-104-574-11		0.0047MF		2KV	
C416		CERAMIC CHIP		5%	50V	0002	1 104 014 11	ODIGANIZO	0.0012	20		
0110	1-105-111-00	ODIUMITO CITI	10011	0.0	00.	C853	1-162-318-11	CERAMIC	0.001MF	10%	500V	
<i>A</i> 17	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	C854	1-124-480-11		470MF	20%	25V	
C418	1-216-295-00	CONDUCTOR, CI	HIP (2012)		C856	1-162-318-11	CERAMIC	0.001MF		500V	
C419		CERAMIC CHIP		5%	50V	C857	1-130-493-00		0.068MF	5%	50V	
C420	1-104-664-11	ELECT	47MF	20%	16V	C860	1-102-228-00	CERAMIC	470PF	10%	500V	•
C422	1-216-295-00	CONDUCTOR, CI	HIP (2012)								
0.15					->	C861	1-107-654-11		33MF		.250V	
C423		CONDUCTOR, CI		(2012		C875	1-124-910-11		47MF	20%	50V	
C424		CONDUCTOR, CI		(2012		C876	1-108-702-11		0.068MF			
C425		CERAMIC CHIP		10%		C891		CERAMIC CHIP	0.033MF	10%	50V	
C501	1-102-228-00		470PF	10%		C898	1-106-379-12	MILAK	U. UJJMF	10%	100V	
C523	1-104-665-11	ELECI	100MF	20%	16V	C901	1 162 122 00	CERAMIC CHIP	470PF	5%	50V	
C548	1-106-220-00	MVI AD	0.1MF	10%	1007	C901		CERAMIC CHIP		5%	50V	
C548	1-106-220-00		100MF	20%	35V	C1201	1-104-665-11		100MF	20%	16V	
C552	1-126-968-11		100MF	20%	35V	C1201		CERAMIC CHIP		10%	25V	
C553		CERAMIC CHIP			50V	C1204	1-104-665-11		100MF	20%	16V	
C554	1-103-019-00		220PF	10%		01001	_ 10. 000 11				- - -	
	1-102-241-00	JERUMIU	22011	2010		C1205	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C555	1-101-804-00	CERAMIC	10PF	5%	500V	C1210	1-104-665-11		100MF	20%	16V	
C562	1-104-665-11		100MF	20%	16V	C1213	1-124-903-11		1MF	20%	50V	
601	1-162-318-11	CERAMIC	0.001MF			C1214	1-124-907-11		10MF	20%	50V	
C602	1-161-830-00		0.0047MF	99%	500V	C1217	1-104-665-11		100MF	20%	16V	
C604		ELECT (BLOCK)	470MF	20%	400V							
0000					AVE.	C1218		CERAMIC CHIP		5%	50V	
C608	1-104-332-11	CERAMIC	470PF	10%	2KV	C1221	1-164-005-11	CERAMIC CHIP	0.47MF		25V	



REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			RE	MAI
R021		METAL GLAZE	4.7K 5	1/10	¥	R266		METAL GLAZE			1/10W	
R027	1-216-065-00			% 1/10		R301		METAL GLAZE			1/10W	
R028	1-216-025-00			% 1/10		R302		METAL GLAZE			1/10W	
R029		METAL GLAZE		% 1/10\ % 1/10\		R303	1-216-025-00	METAL GLAZE	100	O76	1/10W	
R030	1-216-085-00	METAL GLAZE	Son S	% 1/10	Ħ	R304	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R031	1-216-049-00	METAL GLAZE	1K 5	% 1/10	¥	R305	1-216-025-00				1/10W	
R033	1-216-049-00			% 1/10		R306	1-216-025-00				1/10W	
R035	1-216-049-00	METAL GLAZE		% 1/10		R307		METAL GLAZE			1/10W	
R036	1-216-049-00			% 1/10		R308	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R038	1-216-033-00	METAL GLAZE	220 5	% 1/10	r	R309	1_216_033_00	METAL GLAZE	220	5%	1/10W	
R040	1-216-033-00	METAL GLAZE	220 5	% 1/10	R	R310	1-216-097-00				1/10W	
R041	1-216-025-00			% 1/10		R311		METAL GLAZE			1/10W	
R042	1-216-039-00		390 5	% 1/10	¥	R312		METAL GLAZE			1/10 W	
R043	1-216-079-00			% 1/10		R313	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R044	1-216-073-00	METAL GLAZE	10K 5	% 1/10	W	R314	1 216 025 00	METAL GLAZE	100	=or	1/10W	
R046	1_216_097_00	METAL GLAZE	100K 5	% 1/10	W	R315		METAL GLAZE			1/10W	
R047	1-216-025-00			% 1/10		R316	1-216-065-00				1/10W	
R048		METAL GLAZE		% 1/10					(K	V-G	25M11)	
R049	1-216-121-00	METAL GLAZE	1M 5	% 1/10		R317	1-216-049-00	METAL GLAZE			1/10W	
R050	1-216-057-00	METAL GLAZE	2.2K 5	% 1/10	H	D210	1 216 000 00	METAL GLAZE			25M11) 1/10W	
R051	1_216_089_00	METAL GLAZE	47K 5	% 1/10	W	R318	1-210-099-00	MEIAL GLAZE	120K	3.10	1/10#	
R052		METAL GLAZE		% 1/10		R319	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R054	1-216-073-00	METAL GLAZE	10K 5	% 1/10	₩	R320		METAL GLAZE			1/10 W	
R057				1/10		R321	1-216-689-11				% 1/10W	
R059	1-216-065-00	METAL GLAZE	4.7K 5	% 1/10	₩	R322		METAL GLAZE			1/10\ 1/10\	
R067	1_216_033_00	METAL GLAZE	220 5	% 1/10°	w	R324	1-210-121-00	METAL GLAZE	130	J.B	1/10#	
R068		METAL GLAZE		% 1/10		R327	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R071			330 5	3% 1/10	W						25M11)	
R076				% 1/10		R327		CONDUCTOR, C				
R077	1-216-025-00	METAL GLAZE	100 5	5% 1/10	W	R328	1-216-025-00	METAL GLAZE			1/10W 25M11)	
R090	1-216-073-00	METAL GLAZE	10K 5	% 1/10	W	R328	1-216-295-00	CONDUCTOR, C				
R101				% 1/10		R329		METAL GLAZE			1/10W	
R102	1-216-049-00	METAL GLAZE	1K 5	5% 1/10	₩				(K	V-G	25M11)	
R103		METAL GLAZE		% 1/10					(00.0)	/		
R113	1-216-081-00	METAL GLAZE	22K 5	5% 1/10	₩	R329		CONDUCTOR, C METAL GLAZE			V-G25N1) 1/10₩	
D114	1 216 041 00	METAL GLAZE	470	5% 1/10	W	R330 R332		METAL GLAZE			1/10W	
R114 R115		METAL GLAZE		5% 1/10		R334		METAL GLAZE			1/10W	
R116		METAL GLAZE		5% 1/10							25M11)	
R117		METAL GLAZE		5% 1/10	W	R335	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R118	1-216-081-00	METAL GLAZE	22K 5	5% 1/10	₩	Dage	1 016 077 00	METAL CLASE	1 EV	ΕV	1 /1 👊	
R119	1 216 055 00	METAL GLAZE	1 88 5	5% 1/10	W	R336 R338		METAL GLAZE METAL GLAZE			1/10\ 1/10\	
R120		METAL GLAZE		5% 1/10		R339		METAL GLAZE			1/10W	
R131	1-216-464-11	METAL OXIDE	18K 5		W F	R340		METAL GLAZE		5%	1/10W	
R180		METAL GLAZE		5% 1/10		R341	1-216-049-00	METAL GLAZE	IK	5%	1/10W	
R181	1-216-033-00	METAL GLAZE	220	5% 1/10)₩	D251	1 216 001 00	METAL GLAZE	10	5 0 ′	1/10W	
R182	1 216 033 00	METAL GLAZE	220	5% 1/10	/W	R351 R355		METAL GLAZE			1/10W	
R162 R242		METAL GLAZE		5% 1/10		R356		METAL GLAZE			1/10W	
R243		METAL GLAZE		5% 1/10		R403	1-216-021-00	METAL GLAZE	68	5%	1/10W	
R244		METAL GLAZE		5% 1/10		R406	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R245	1-216-067-00	METAL GLAZE	5.6K	5% 1/10)W	D407	1 216 062 00	METAL GLAZE	3 OK	54	1/10W	
R250	1_216_205 N	CONDUCTOR,	CHTP (2012)			R407 R408		METAL GLAZE			1/10W	
R250 R251	1-216-295-0	CONDUCTOR,	CHIP (2012)			R409		METAL GLAZE			1/10W	
R252	1-249-411-1			5% 1/4	₽₩	R410	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R253		METAL GLAZE	10K	5% 1/10)₩	R411	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R254	1-249-389-1	1 CARBON	4.7	5% 1/4	I.W	D410	1 916 060 06	MOTAL CLASS	c ov	= 0	1 /1 000	
R265	1_216 061 0	METAL GLAZE	3 3K	5% 1/10	η W	R412 R413		METAL GLAZE METAL GLAZE			1/10W 1/10W	
K200	1-210-001-0	MEINE GLAZE	J. JI	OW 1/10	711	1413	1-210-031-00	MILLIO OLIGIE	2.211	J.N	1/ 1/1	



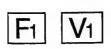
EF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARK
IC354 IC401	8-759-251-56 8-759-800-65	IC LA7910		Q208 Q210 Q301	8-729-900-98	TRANSISTOR DTC144EK TRANSISTOR DTC143TK TRANSISTOR DTC114EK		
IC521 IC551 IC601	8-759-195-63 8-759-801-98 8-749-010-84			Q302	8-729-120-28	TRANSISTOR 2SC1623-	L5L6 (KV-G25M11)
IC602 IC603 4	8-749-920-61 \$-749-010-64	IC SE-135N PHOTO COUPLER PC123F2		Q303 Q402 Q403	8-729-922-66	TRANSISTOR 2SC1623- TRANSISTOR 2SC2410S TRANSISTOR DTC143TK	L5L6 N	,
	8-759-100-96 8-759-100-96	IC UPC4558G2 IC UPC4558G2		Q404	8-729-900-98	TRANSISTOR DTC143TK		
		<jack></jack>		Q405 Q406 Q407	8-729-216-22	TRANSISTOR 2SA1162- TRANSISTOR 2SA1162- TRANSISTOR 2SA1162-	Ğ	
J251 J1201	1-770-785-11 1-770-660-11	JACK JACK BLOCK, PIN 4P		Q408 Q409		TRANSISTOR 2SC1623- TRANSISTOR 2SA1162-		
J1202	1-695-238-11	JACK BLOCK, PIN 4P JACK BLOCK, PIN 2P		Q410 Q411 Q412	8-729-120-28	TRANSISTOR 2SA1162- TRANSISTOR 2SC1623- TRANSISTOR 2SC1623-	L5L6	
TP102	1 216 205 00	<chip conductor=""></chip>		Q413 Q414	8-729-900-98	TRANSISTOR DTC143TK TRANSISTOR 2SC1623-		
JR103	1-216-295-00	CONDUCTOR, CHIP (2012) CONDUCTOR, CHIP (2012) (KV-G25M. CONDUCTOR, CHIP (2012)	11)	Q415 Q416 Q417 Q418	8-729-120-28 8-729-900-98	TRANSISTOR DTC143TK TRANSISTOR 2SC1623-I TRANSISTOR DTC143TK TRANSISTOR DTC143TK	L5L6	
		<coil></coil>		Q561		TRANSISTOR 2SA1091-(
L002 L003 L101 L301 L401	1-410-470-11 1-408-411-00 1-410-396-41 1-408-609-41 1-410-498-11	INDUCTOR 15UH FERRITE BEAD INDUCTOR 0.45UH INDUCTOR 33UH		Q601 Q801 Q802 Q821 Q902	8-729-140-96 8-729-016-32 8-729-018-99	TRANSISTOR 2SC2412K TRANSISTOR 2SD774-34 TRANSISTOR 2SC4927-(TRANSISTOR 2SD2394-I TRANSISTOR DTC144EK	4 01 F	
L402 L403 L404 L405 L406	1-410-510-11 1-410-510-11 1-410-508-11 1-410-508-11 1-410-507-11	INDUCTOR 12UH INDUCTOR 8.2UH INDUCTOR 8.2UH		Q903 Q1201 Q1202 Q1203 Q1204	8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTOR DTC144EK TRANSISTOR 2SC1623-I TRANSISTOR 2SC1623-I TRANSISTOR 2SC1623-I TRANSISTOR 2SA1162-C	.5L6 .5L6 .5L6	
L407 L408 L409 L410 L411	1-535-303-00 1-535-303-00	INDUCTOR 15UH LEAD, JUMPER (5. OMM) LEAD, JUMPER (5. OMM) LEAD, JUMPER (5. OMM) LEAD, JUMPER (5. OMM)		Q1207 Q1208 Q1265 Q1513	8-729-120-28 8-729-900-98	TRANSISTOR 2SC1623-I TRANSISTOR DTC143TK TRANSISTOR 2SC1623-I	.5L6	
L802 L804		COIL, DYNAMIC CONVERSION CHOKE				<resistor></resistor>		
L805 L807 L808		COIL, HORIZONTAL LINEARITY COIL (WITH CORE) INDUCTOR 3.3MMH		R001 R002 R003	1-216-065-00 1-216-065-00	METAL GLAZE 4.7K	5% 1/10\\ 5% 1/10\\ 5% 1/10\\ 5% 1/10\\	
L821 L850	1-459-111-00 1-408-947-00	COIL, DRAM CORE (CDI) INDUCTOR 2.2MMH		R004 R007	1-216-065-00 1-216-073-00		5% 1/10W 5% 1/10W	
		<transistor></transistor>		R008 R009 R010 R012	1-216-049-00 1-216-049-00 1-216-049-00 1-216-017-00	METAL GLAZE 1K METAL GLAZE 1K	5% 1/10W 5% 1/10W 5% 1/10W	
Q030 Q031	8-729-216-22	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G		R013	1-216-049-00		5% 1/10W 5% 1/10W	
Q108)109 Q110	8-729-120-28 8-729-120-28	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6		R014 R015 R018 R019	1-216-049-00 1-216-043-91 1-216-033-00 1-216-101-00	METAL GLAZE 560 METAL GLAZE 220 METAL GLAZE 150K	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W	
Q202 Q207		TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G		R020	1-216-025-00	METAL GLAZE 100	5% 1/10W (KV-G25M11)	

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARI.
R910 R911		METAL GLAZE METAL GLAZE		% 1/10 % 1/10				<transformer< td=""><td>b</td><td></td></transformer<>	b	
R913		METAL GLAZE		% 1/10 % 1/10		TEM	Δ1-429-139-11	TRANSMEARE	CONVERSED IS	2T)
R914		METAL GLAZE		% 1/10			Δ1-424-461-11			
R915	1-216-071-00	METAL GLAZE		% 1/10		T801	1-437-195-11	TRANSFORMER,	HORIZONTAL DI	RIVE
							А.1-453-190-11			
R1201		METAL GLAZE METAL GLAZE		% 1/10 % 1/10					(NX-2743	// K 3B)
R1202 R1203		METAL GLAZE		% 1/10 % 1/10						
R1205		METAL GLAZE		% 1/10				<thermistor></thermistor>		
R1206		METAL GLAZE		% 1/10						
						THP601	∆ 1-810-961-11	THERMISTOR.	POSITIVE	
R1211		METAL GLAZE		% 1/10						
R1212 R1215		METAL GLAZE METAL GLAZE		% 1/10 % 1/10				<tuner></tuner>		
R1216		METAL GLAZE		% 1/10				CIONEIC		
R1218		METAL GLAZE		% 1/10		TU101	∆ 8-598-323-0 0	TUNER BT-AG4	01	
							100 1 100 1 100 1 100 1 100 100 100 100	***************************************		
R1219		METAL GLAZE		% 1/10				CDVCTAI.		
R1220 R1221		METAL GLAZE METAL GLAZE		% 1/10 % 1/10				<crystal></crystal>		
R1227		METAL GLAZE		% 1/10		X101	1-577-082-11	VIBRATOR, CE	RAMIC	
R1228		METAL GLAZE		% 1/10		X300	1-404-835-31			
						X358	1-567-505-11			
R1229		METAL GLAZE		% 1/10		X443	1-567-504-11	OSCILLATOR,	CRYSTAL	
R1230 R1231		METAL GLAZE METAL GLAZE		% 1/10 % 1/10		******	******	*****	******	******
R1231	1-216-063-00	METAL GLAZE	3.9K 5	% 1/10						
R1233		METAL GLAZE		% 1/10	W		* A-1331-428-A	C BOARD, COM	PLETE	
								********	****	
R1235		METAL GLAZE		% 1/10						
R1239 R1240	1-249-389-11	METAL GLAZE		% 1/4 % 1/10				<capacitor></capacitor>		
R1241		METAL GLAZE		% 1/10				COM NOTION		
R1243	1-216-025-00	METAL GLAZE	100 5	% 1/10	W	C701	1-162-114-00		0.0047MF 2KV	
					_	C702	1-102-074-00		0.001MF 10%	50V
R1245 R1246		METAL GLAZE		% 1/10 % 1/10		C704 C708	1-130-202-00 1-102-114-00		0.022MF 5% 470PF 10%	400V 50V
R1240 R1247		METAL GLAZE		% 1/10 % 1/10		C708	1-102-114-00		470PF 10% 470PF 10%	50V 50V
R1248		METAL GLAZE		% 1/10		0.00	1 102 111 00	Challe	41011 100	001
R1249		METAL GLAZE		% 1/10	W	C710	1-102-114-00		470PF 10%	50V
D	1 010 000 00	AMMAY OF AM	1077	~ 1/10		C712	1-101-361-00		150PF 5%	50V
R1513		METAL GLAZE METAL GLAZE		% 1/10 % 1/10		C713 C714	1-102-971-00 1-101-361-00		82PF 5% 150PF 5%	50V 50V
R1514 R1515		METAL GLAZE		% 1/10		C714	1-101-361-00		100MF 20%	50V 50V
HIOIO	1 210 020 00		100		"	0.10	1 101 100 11	DIEC.	10002 500	00.
		<switch></switch>						<connector></connector>		
Sent	L1-762-087-11	SEITCH PHIS	CAC POWER			CN701	* 1-508-766-00	PIN CONNECT	YOR (SMM PITYCH)	4P
S801		SWITCH, LEVE	And a comment of the				*1-564-509-11			
S901		SWITCH, PUSH				CN704	1-695-915-11			
S902		SWITCH, PUSH								
S903	1-570-577-11	SWITCH, PUSH						-DIODE		
S904	1-570-577-11	SWITCH, PUSH						<diode></diode>		
S905		SWITCH, PUSH				D701	8-719-911-19	DIODE 1SS119	-25	
						D702	8-719-911-19	DIODE 1SS119	-25	•
			4			D703	8-719-911-19			
		<spark gap=""></spark>				D704	8-719-911-19 8-719-911-19	DIODE 188119		
SG801	1-519-422-11	GAP SPARK				D705	0-113-311-19	DIONE 122113	-23	
00001	1 010 144-11	oun, orthur				D706	8-719-911-19	DIODE 1SS119	-25	
						D707	8-719-911-19	DIODE 1SS119	-25	
		<filter></filter>				D708		DIODE 1SS119		
CWC401	1-760-771-11	בון דבס כווסו	PACE WAVE			D709 D710	8-719-911-19	DIODE 1SS119 DIODE 1SS119		
341401	1-100-111-11	. PILIER, SUR	HOL WAYE			1 0/10	0-113-311-19	D1000 155119	-23	

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EF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			Ī	REMARK	
R414	1-216-041-00	METAL GLAZE	470 5%	1/10W	7	R617	1-215-924-00	METAL OXIDE	15 K	5%	3W	F	
R415		METAL GLAZE		1/10₩		R619	1-249-377-11		0.47	5%	1/4W	F	
R416		METAL GLAZE		1/10₩		R621	1-211-748-11		5.6	5%	5W	F	
	1 210 000 00		220 0%	1/ 1011		R622	1-217-190-21		0.15			F	
R417	1-216-033-00	METAL GLAZE	220 5%	1/10W		R623	1-247-807-31			10%		r	
R418		METAL GLAZE		1/10₩		N023	1-241-001-31	CARDON	100	5%	1/4W		
R419		METAL GLAZE		1/10		R624	1-215-881-11	METAL OF THE		-M	OFF	_	
R420		METAL GLAZE		1/10W		R625			15	5%	2₩	F	
R421	1-216-033-00			1/10W		R626	1-249-424-11		3.9K	5%	1/4W		
14151	1-210-055-00	METAL GLAZE	220 38	1/10#			1-249-420-11		1.8K	5%	1/4W		
R422	1_216_027_00	METAL GLAZE	120 5%	1/10W	. 1	R627	1-249-417-11		1K	5%	1/4W		
R423		METAL GLAZE		1/10W		R628	1-249-417-11	CARBON	1K	5%	1/4W		
R424		METAL GLAZE		1/10W		DCOO	1 040 401 11	CIPPON					
R425		METAL GLAZE				R629	1-249-401-11		47	5%	1/4W	_	
R426	1-216-039-00			1/10W		R635	1-215-882-00	METAL UXIDE		5%	2₩	F	
R420	1-210-029-00	METAL GLAZE	150 5%	1/10W		DCCC					25M11)	_	
R427	1 216 027 00	METAL CLATE	220 EN	3 /3 000		R636	1-215-924-00		15K	5%	3₩	F	
		METAL GLAZE		1/10W		R801	1-215-920-11	METAL OXIDE	3.3K	5%	3₩	F	
R428		METAL GLAZE		1/10W		R802	1-249-387-11	CARBON	3.3	5%	1/4W	F	
R429		METAL GLAZE		1/10W									
R430	1-216-041-00			1/10W		R804	1-216-049-00	METAL GLAZE	1K	5%	1/10W		
R431	1-216-081-00	METAL GLAZE	22K 5%	1/10W		R805	1-216-081-00			5%	1/10W	•	
D400		10011 01.00				R808	1-535-303-00		(5.0MM)				
R432	1-216-041-00			1/10W		R809	1-247-756-11		2.2K	5%	1/2W	F	
R433	1-216-081-00			1/10W		R811	1-216-346-00	METAL OXIDE	0.56	5%	1W	F	
R434	1-216-041-00			1/10W									
R435	1-216-041-00			1/10W		R812	1-216-075-00		12K	5%	1/10W		
R436	1-216-081-00	METAL GLAZE	22K 5%	1/10W		R816	1-249-430-11		12K	5%	1/4W		
7100						R820	1-216-053-00		1.5K	5%	1/10W		
R437	1-216-081-00			1/10W	1	R821	1-215-910-00		68	5%	3W	F	
R440	1-216-029-00			1/10W		R822	1-216-429-00	METAL OXIDE	270	5%	1W	F	
R441		METAL GLAZE		1/10W									
R521				1/10W		R823	1-247-756-11		2.2K	5%	1/2W	F	
R552	1-216-105-91	METAL GLAZE		1/10W		R825	1-249-392-11		8.2	5%	1/4W	F	
		(KV-G25M1 (RU	SS)/(HK),KV-1	G25M11))	R826	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W		
						R827	1-216-097-00	METAL GLAZE	100K	5%	1/10W		
R553		CONDUCTOR, CI				R828	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W		
		(KV-G25M1 (RU	SS)/(HK), KV-(G25M11))								
R555	1-249-429-11			1/4W		R829	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W		
R556	1-216-049-00	METAL GLAZE	1K 5	1/10W		R831	1-216-426-11	METAL OXIDE	82	5%	1W	F	
R557				1/10W		R832	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W		
R56O	1-216-295-00	CONDUCTOR, C	HIP (2012)		İ	R834	1-216-073-00	METAL GLAZE	10K		1/10W		
						R851	1-249-382-11	CARBON	1.2		1/4W	F	
R561	1-249-421-11		2∗: 2K 5%	1/4W									
R562	1-249-420-11		1.8K 5%	1/4W	F	R852	1-249-923-11	CARBON	1K	5%	1/4W	F	
R563	1-247-885-00	CARBON	180K 5%	1/4W		R853	1-249-377-11		0.47	5%	1/4W .		
R564	1-216-091-00		56K 5%	1/10W		R854	1-249-377-11	CARBON	0.47	5%	1/4W	F	
R565	1-216-091-00	METAL GLAZE	56K 5%	1/10W		R855	1-202-818-00	SOLID	1K	20%	1/2W		
					-	R856	1-249-425-11	CARBON	4.7K	5%	1/4W		
R566		METAL GLAZE		1/10W									
R569	1-247-883-00		150K 5%	1/4W	i	R857	1-249-438-11	CARBON	56K	5%	1/4W		
R57O	1-216-295-00	CONDUCTOR, CI	HIP (2012)			R858	1-216-370-11		1.2	5%	2W	FZ	
		(KV-G25M1 (RUS	S)/(HK), KV-0	G25M11)		R860	1-247-887-00	CARBON	220K	5%	1/4W		
R603	1-249-416-11	CARBON	820 5%	1/4W	F	R881	1-216-043-91		560		1/10W		
R604	1-249-416-11	CARBON	820 5%	1/4W	F	R882	1-216-059-00		2. 7K		1/10W		
										0.0	2, 2011		
R606	1-215-915-11	METAL OXIDE	470 5%	3W	F	R883	1-216-121-00	METAL GLAZE	1M	5%	1/10W		
R608		LEAD, JUMPER	(5. OMM)			R895	1-216-348-00			5%	1W	F	
R609	1-249-381-11	CARBON	1 5%	1/4W		R898	1-249-421-11		2.2K	5%	1/4W	•	
R61O	1-215-924-00	METAL OXIDE	15K 5%	3₩	F	R902	1-216-065-00				1/10W		
R611	1-202-933-61	FUSIBLE		1/2W	F	R904	1-216-065-00	METAL GLAZE	4 7K		1/10W		
				.,,				GEERL	11	- N	-/ 1011		
R612	1-249-377-11		0.47 5%	1/4W	F	R905	1-216-049-00	METAL GLAZE	1K	5%	1/10W		
3613	1-249-377-11	CARBON	0.47 5%	1/4W	F	R906	1-216-049-00				1/10W		
R614	1-215-877-11	METAL OXIDE	22K 5%	1₩	F	R907	1-216-055-00				1/10W		
R615	1-249-389-11	CARBON	4.7 5%	1/4W		R908	1-216-055-00	METAL GLAZE	1. 8K		1/10W		
R616 A	1-218-265-91	METAL	8.2M 5%			R909	1-216-061-00				1/10W		
		7,000									_,,,		



REMARI DESCRIPTION REMARK REF. NO. PART NO. DESCRIPTION REF. NO. PART NO. <IC> <TRANSFORMER> IC01 8-759-324-28 IC P83C654 T1601 A. I-424-496-11 TRANSPURMER: LINE FIETER 8-759-298-63 IC SAA5281ZP/E T1602 A 1-424-436-11 TRANSFURMER LINE FILTER ICO2 <CHIP CONDUCTOR> *A-1347-103-A V1 BOARD, COMPLETE (KV-G25M11) 1-216-295-00 CONDUCTOR, CHIP (2012) ******** **IR02** 1-216-295-00 CONDUCTOR, CHIP (2012) JR03 1-216-295-00 CONDUCTOR, CHIP (2012) **TR04** 1-216-295-00 CONDUCTOR, CHIP (2012) **TR07** <CAPACITOR> 1-216-295-00 CONDUCTOR, CHIP (2012) **TR08** 1-163-037-11 CERAMIC CHIP 0.022MF 10% 25V C01 50V 1-124-907-11 ELECT 10MF 20% C02 <00IL> 1-163-037-11 CERAMIC CHIP 0.022MF 1.0% 25V C03 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C04 1-410-464-11 INDUCTOR 3.3UH 50V 1.01 10MF 20% 1-124-907-11 ELECT C05 1-410-464-11 INDUCTOR 3.3UH L03 1-410-464-11 INDUCTOR 3.3UH L04 1-163-227-11 CERAMIC CHIP 10PF 0.5PF 50V C06 3.3UH 1-410-464-11 INDUCTOR 1-163-009-11 CERAMIC CHIP 0.001MF 10% L05 C07 50 L06 1-410-464-11 INDUCTOR 3.3UH 1-163-097-00 CERAMIC CHIP 15PF 5% C08 1-164-004-11 CERAMIC CHIP 0.1MF 25V 10% C09 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C10 <TRANSISTOR> 16V C11 1-164-346-11 CERAMIC CHIP 1MF 8-729-120-28 TRANSISTOR 2SC1623-L5L6 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V Q01 C12 8-729-900-53 TRANSISTOR DTC114EK 002 1-163-009-11 CERAMIC CHIP 0.001MF 10% 50V C13 8-729-120-28 TRANSISTOR 2SC1623-L5L6 1-216-295-00 CONDUCTOR, CHIP (2012)Q03 C14 8-729-120-28 TRANSISTOR 2SC1623-L5L6 1-124-482-11 ELECT Q04 20% 35V C15 8-729-216-22 TRANSISTOR 2SA1162-G 005 1-126-963-11 ELECT 4.7MF 20% 50V C16 1-164-004-11 CERAMIC CHIP 0.1MF 8-729-120-28 TRANSISTOR 2SC1623-L5L6 10% 25V Q06 C17 8-729-019-01 TRANSISTOR 2SD2394-EF Q07 1-164-004-11 CERAMIC CHIP 0.1MF 10% C19 8-729-140-96 TRANSISTOR 2SD774-34 50V 008 20% C22 1-124-907-11 ELECT 10MF 8-729-901-04 TRANSISTOR DTA114EK 1-163-038-00 CERAMIC CHIP 0.1MF Q09 25V C23 20% 50V 1-124-907-11 ELECT C25 <RESISTOR> 16V C26 1-124-119-00 ELECT 330MF 20% 100MF 20% 16V 1-104-665-11 ELECT C27 5% 1/10W 1-216-061-00 METAL GLAZE 3.3K R01 1-163-099-00 CERAMIC CHIP 18PF 5% 50V C28 5% 1/10W 1-216-057-00 METAL GLAZE 2.2K R02 1-163-099-00 CERAMIC CHIP 18PF 5% 50V C29 1-216-085-00 METAL GLAZE 33K 5% 1/10W R03 5% 1/10W 1-216-025-00 METAL GLAZE 100 1-163-099-00 CERAMIC CHIP 18PF R04 50V C30 5% 1-216-057-00 METAL GLAZE 5% 1/10W 2. 2K 1-163-099-00 CERAMIC CHIP 18PF 5% 50V R05 C31 5% 1/10W 1-216-075-00 METAL GLAZE 12K R06 100 5% 1/10W R07 1-216-025-00 METAL GLAZE <CONNECTOR> 5% 1/10W 1-216-025-00 METAL GLAZE 100 R08 5% 1/10W 1-216-057-00 METAL GLAZE 2.2K CNO1 *1-770-748-11 CONNECTOR, BOARD TO BOARD 12P R09 5% 1/10W 1-216-083-00 METAL GLAZE 27K R10 1-216-069-00 METAL GLAZE 6.8K 5% 1/10W R11 <DIODE> 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R12 5% 1/10W 1-216-061-00 METAL GLAZE 3.3K 8-719-105-51 DIODE RD3.6M-B1 R13 D001 1-216-073-00 METAL GLAZE 10K 5% 1/10W R16 8-719-914-43 DIODE DAN202K D03 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W R17 8-719-105-91 DIODE RD5.6M-B2 D04 8-719-914-44 DIODE DAP202K D05 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W 8-719-914-43 DIODE DAN202K R18 D06 5% 1/10W 1-216-049-00 METAL GLAZE 1K R19 1-216-049-00 METAL GLAZE 1K 5% 1/10W R20 5% 1/10W 1-216-065-00 METAL GLAZE 4.7K R21 <FERRITE BEAD> 1-216-041-00 METAL GLAZE 5% 1/10W 470 R22 1-410-397-21 FERRITE BEAD INDUCTOR 1.1UH FR01 5% 1/10W 1-216-025-00 METAL GLAZE 100 R24 5% 1/10W R25 1-216-025-00 METAL GLAZE 100 1-216-049-00 METAL GLAZE 1K 5% 1/10W





	F. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			Ī	REMARK
	D711	8-719-911-19	DIODE 1SS119-	-25			R726	1-249-422-11	CARBON	2.7K	5%	1/4W	
	D712	8-719-911-19					R727	1-249-422-11	CARBON	2.7K	5%	1/4W	
	D716	8-719-911-19					R728	1-215-410-00		360		1/4W	
	D717	8-719-121-24	DIODE RD9. 1ES	SL			R729	1-215-410-00		360		1/4W	
							R730	1-215-410-00	METAL	360	1%	1/4 W	
			<jack></jack>				R731 R732	1-535-303-00 1-535-303-00	LEAD, JUMPER				
	1701 A	1-251-239-21	SOCKET CET				R732	1-535-303-00					
3888	•						R734	1-247-739-11		100	5%	1/2W	
							R738	1-247-807-31		100		1/4W	
			<00IL>										
							R739	1-247-807-31		100		1/4W	
	L701	1-410-667-31		22UH			R740	1-247-807-31		100		1/4W	_
		1-535-303-00	LEAD, JUMPER				R747	1-216-489-11			5%	3₩	F
	L703 L704	1-408-609-41 1-535-303-00		33UH			R749 R751	1-216-490-11 1-215-926-00		39K	5% 5%	3₩ 3₩	Ŧ F
	L705	1-408-609-41	TADLICTOR	33UH			KISI	1-213-920-00	METAL UNIDE	SON	376	Off	Г
	D100	1-400-003 41	HOOOTOR	55011			R753	1-249-429-11	CARBON	10K	5%	1/4W	
	L706	1-535-303-00	LEAD, JUMPER	(5. OMM)			R755	1-249-427-11		6. 8K		1/4W	
	L707	1-408-609-41	INDUCTOR	33UH			R756	1-249-427-11	CARBON	6.8K	5%	1/4W	
							R757	1-249-427-11	CARBON	6.8K	5%	1/4W	
							R758	1-249-419-11	CARBON	1.5K	5%	1/4W	
			<transistor></transistor>				Deco	1 040 410 11	OADDON				
	0701	0 700 006 11	TRANSTOTOR OF	200611			R759	1-249-419-11 1-249-419-11		1.5K	5%	1/4W	r.
	Q701 Q702	8-729-326-11 8-729-326-11					R760	1-249-419-11	CARBON	1.5K	5%	1/4W	F
	Q703	8-729-326-11						•					
	Q704	8-729-326-11							<variable res<="" td=""><td>SISTOR></td><td></td><td></td><td></td></variable>	SISTOR>			
	Q705		TRANSISTOR 25										
							RV701	1-230-641-11	RES, ADJ, ME	TAL GLAZE	2.2	M	
	Q706		TRANSISTOR 25										
	Q707	8-729-200-17											
	Q708 Q709	8-729-200-17 8-729-200-17	TRANSISTOR 25										
	Q710	8-729-119-78			न		******	******	******	******	****	*****	*****
	4.10	0-120-110-10	HULISTOTOR 2	302103 11	_								
	Q711	8-729-119-78											
	Q712	8-729-119-78			E			* A-1241-190-A			V-G2	5M1 (RUS	S)
	Q714	8-729-255-12	TRANSISTOR 2	SC2551-0					******	*****			
								1-533-223-11	CLID FIEE				
			<resistor></resistor>					1-333-223-11	CLIF, PUSE				
			400101010										
	R701	1-244-941-00	CARBON	680K	5% 1				<capacitor></capacitor>				
	R702	1-249-496-11		100K	5% 1						Managaranan	***************************************	200000000000000000000000000000000000000
	R703	1-249-496-11		100K	5% 1		C1601 2	∆1-104-706-51	FILM	0.22MF	20%	250V	
	R705 R710	1-216-392-11 1-215-899-11		1.8 15K	5% 5%	3₩ F							
	KI 10	1-213-693-11	MISTRE OXIDE	1011	3.0	24 1			<connector></connector>				
	R711	1-247-758-11	CARBON	3.3K	5% 1	./2₩							
	R712	1-215-899-11	METAL OXIDE	15K	5%	2W F	CN1601	*1-580-843-11	PIN, CONNECTO	OR (POWER	()		
	R713	1-247-758-11	CARBON	3.3K	5% 1	./2₩	CN1602	* 1-580-843-11	PIN, CONNECT	OR (POWER	2)		
	R714	1-215-899-11		15K	5%	2W F							
	R715	1-247-758-11	CARBON	3.3K	5% 1	./2₩			THE ICE.				
	R716	1-249-899-11	CARRON	100	5% 1	/4W F			<fuse></fuse>				
	R717	1-249-699-11		100		/4W F	Figat	1 1-532-465-31	PISK THE	AG (RET)	3 15	1/25NV	
	R718	1-249-899-11		100		/4W F	1 1001 1			\001/		V-	
	R719	1-215-487-00		560K		. ∕4₩							
	R720	1-249-417-11		1K		/4W F			<resistor></resistor>				
)707			0007-									
	`.721 .3722	1-215-491-00		820K		./4₩	K1601 /	1-202-916-91 1-202-916-91	SALID	5.6M	20%	1/2#	
•	R723	1-249-923-11 1-215-489-00		1K 680K		/4W F							
	R724	1-249-417-11		1K		/4W F							
	R725	1-249-417-11		2.7K		1/4W							
							1						

The components identified by shading and mark A are critical for safety. Replace only with part number specified.



REMARK

REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION	
R27		METAL GLAZE		1/10				REMOTE COMMANDER	
R28	1-216-025-00	METAL GLAZE	100 59	1/10				**********	
R29	1-216-025-00	METAL GLAZE	100 59	1/10			1-473-323-11	REMOTE COMMANDER	(RM-870)
R30	1-216-071-00	METAL GLAZE	8.2K 59	1/10	7				
R31	1-216-025-00	METAL GLAZE	100 59	1/10	1				
R32	1-216-071-00	METAL GLAZE	8.2K 59	1/10	7				
R33	1-216-065-00	METAL GLAZE	4.7K 59	1/10	7				
R34	1-216-065-00	METAL GLAZE	4.7K 59	1/10	,				
R35		METAL GLAZE		1/109					
R36	1-216-025-00	METAL GLAZE		1/10					
R37	1-216-049-00			1/10					
R38	1-260-085-11			1/2	1				
R41	1-216-063-00	METAL GLAZE	3.9K 59	1/10					
R43	1-216-295-00	CONDUCTOR, C	HIP (2012)						
R44	1-216-061-00	METAL GLAZE	3.3K 59	1/10	7				
R45	1-216-021-00	METAL GLAZE	68 59	1/10	7				
R46	1-216-021-00	METAL GLAZE	68 59	1/10	7				
R47	1-216-021-00	METAL GLAZE	68 59	3 1/10W	ľ				
		<crystal></crystal>							
X01	1-579-266-31	CRYSTAL VIBR	ATOR						

MISCELLANEOUS *********

1-544-453-21 SPEAKER (2CM) 1-504-305-11 SPEAKER (5X12CM)

AS-73-234-05 PICTURE THRE (M6KWLIDK)
AS-451-404-11 DEFECTION TURE (Y25GAS)
A1-403-619-11 COIL DEMONSTRATION
A 1-574-062-27 CARD DAMER (WITH CAMBURE) (KY-C25M) (ME) /MT (RDSS) /MET) /694-609-21 (3001) POWER (METH (2000) (MY-C25M) (MY)

ACCESSORIES AND PACKING MATERIALS

3-800-141-21 MANUAL, INSTRUCTION (KV-G25M1 (ME)

3-800-141-41 MANUAL, INSTRUCTION

(KV-G25M1 (HK)/M11)

3-800-141-51 MANUAL, INSTRUCTION (KV-G25M1 (RUSS))

*4-029-168-01 BAG, PROTECTION (KV-G25M11) *4-039-372-01 BAG, PROTECTION (KV-G25M1)

3-701-910-00 SCREW, SPECIAL (DIA. 3.8X20)

4-392-003-11 BAND, HOLD

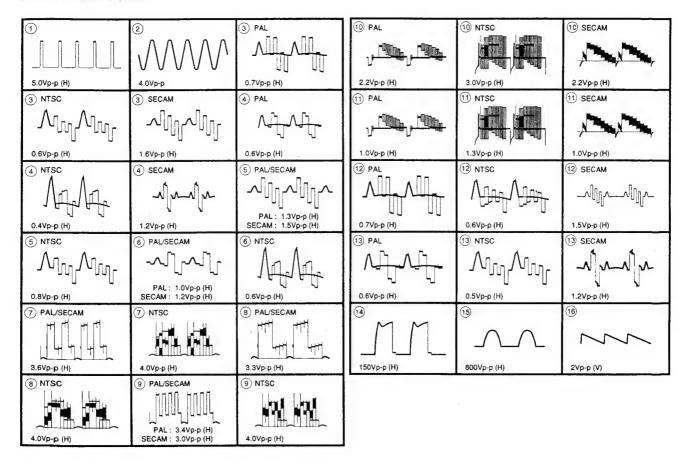
4-392-004-11 CLIP

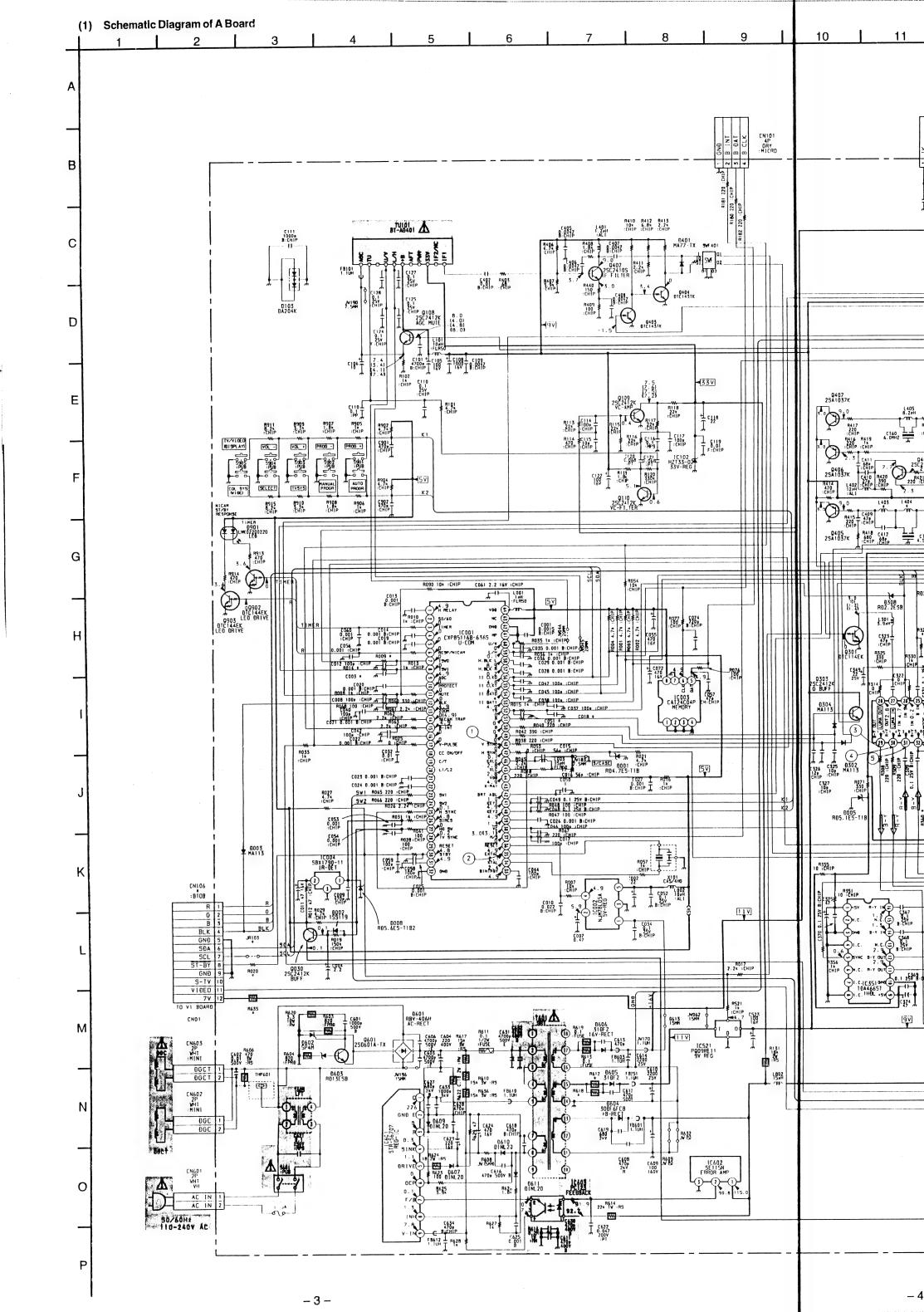
A 1-560-008-11 ADAPTER: CONVERSION 2P (AV-62501 (NE) /ALL (RUSS))

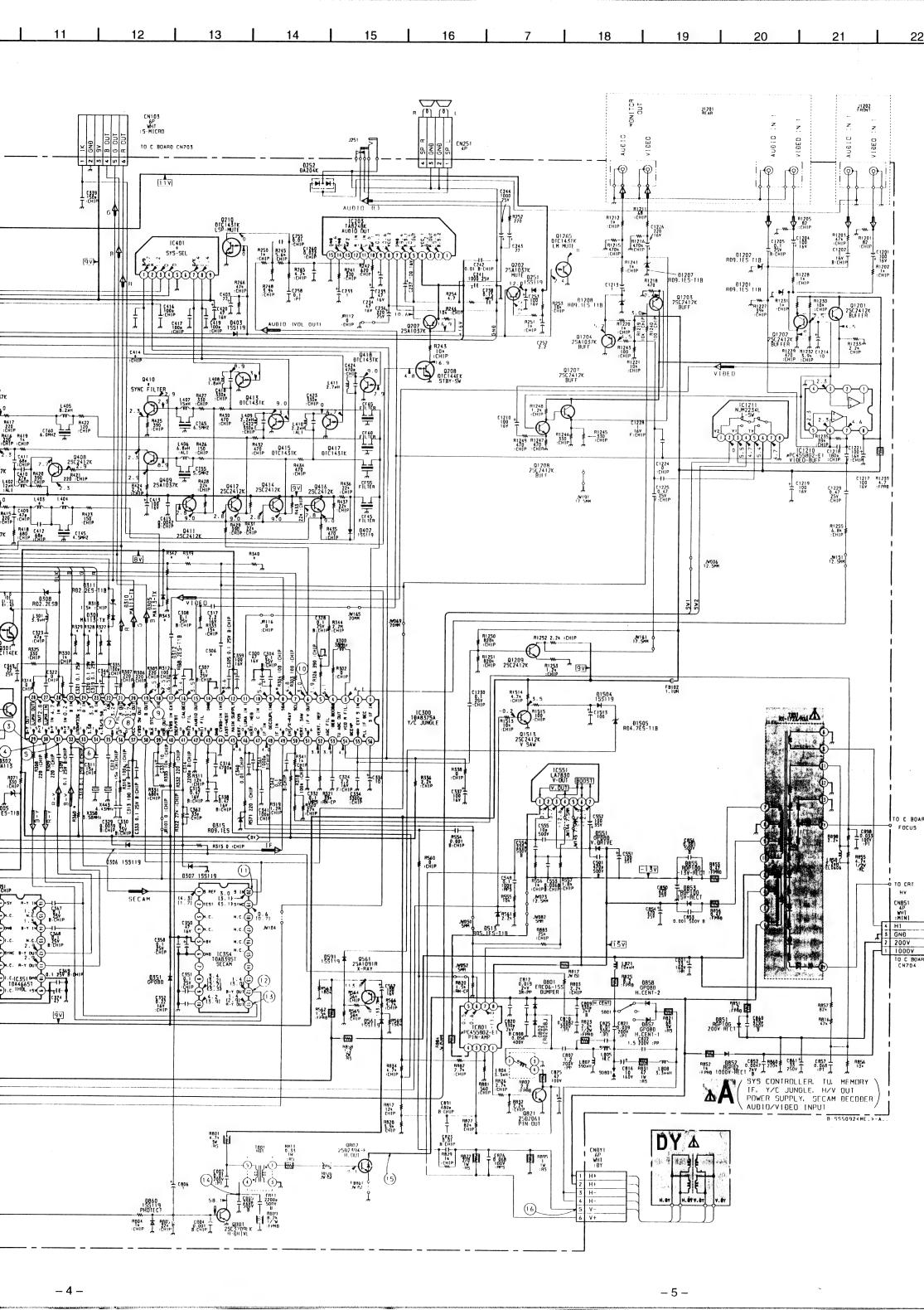
*4-047-806-01 CUSHION (UPPER) (ASSY) (KV-G25M1) *4-047-807-01 CUSHION (LOWER) (ASSY) (KV-G25M1)

*4-047-808-01 INDIVIDUAL CARTON (KV-G25M1)

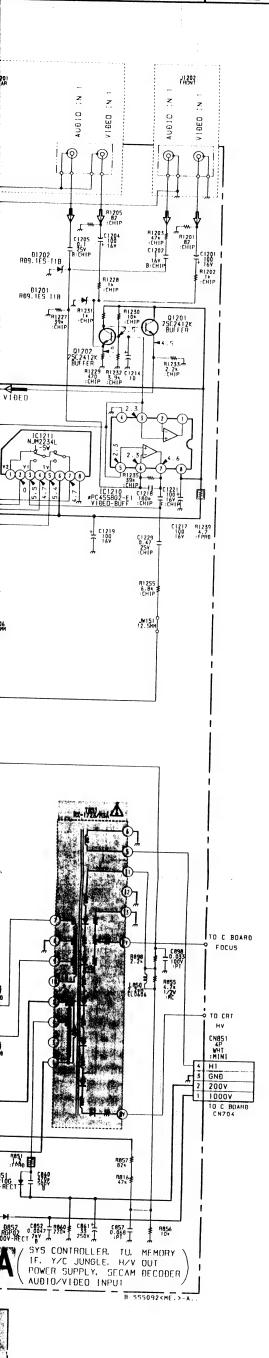
A BOARD WAVEFORMS







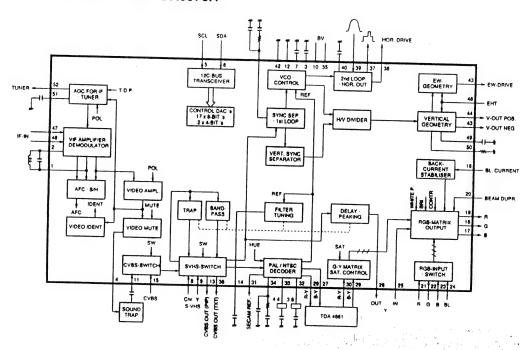
20 | 21 | 22



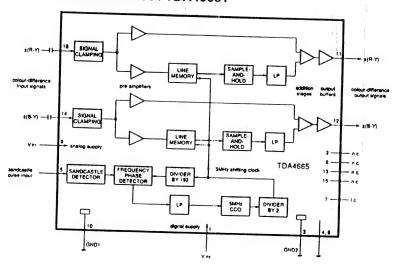
A BOARD * MARK LIST

	KV-G25M1	KV-G25M11
C018	100 :CHIP	NOT USED
C051	NOT USED	100p :CHIP
C306	0.1 25V :CHIP	0 :CHIP
CN106	NOT USED	12P :B TO B
JR103	NOT USED	0 :CHIP
R020	NOT USED	100 :CHIP
R327	0 :CHIP	150 :CHIP
R328	0 :CHIP	150 :CHIP
R329	0 :CHIP	150 :CHIP
R339	300 :CHIP	NOT USED
R340	270 :CHIP	NOT USED
R342	NOT USED	300 :CHIP
R343	NOT USED	270 :CHIP
R612	0.47 :FPRD	0.1 :FUSE
R618	NOT USED	0.1 :FUSE
R635	NOT USED	22 2W :RS

A BOARD IC300 TDA8375A



A BOARD IC351 TDA4665T

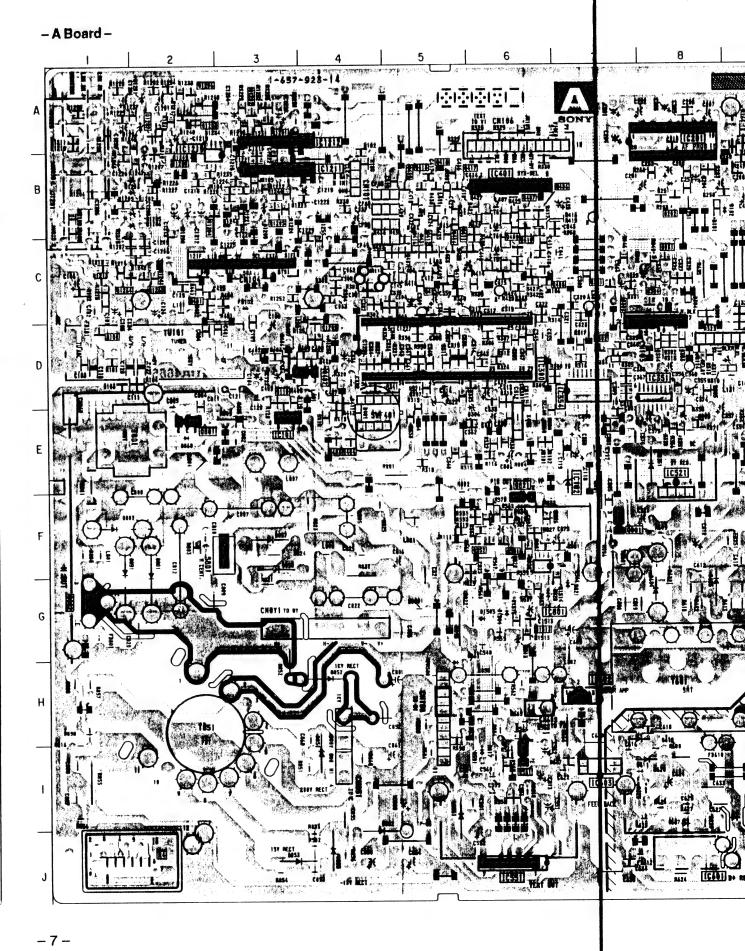


SYS CONTROLLER, TU, MEMORY, IF, Y/C JUNGLE, H/V OUT POWER SUPPLY, SECAM DECORDER, AUDIO/VIDEO INPUT

PRINTED WIRING BOARD

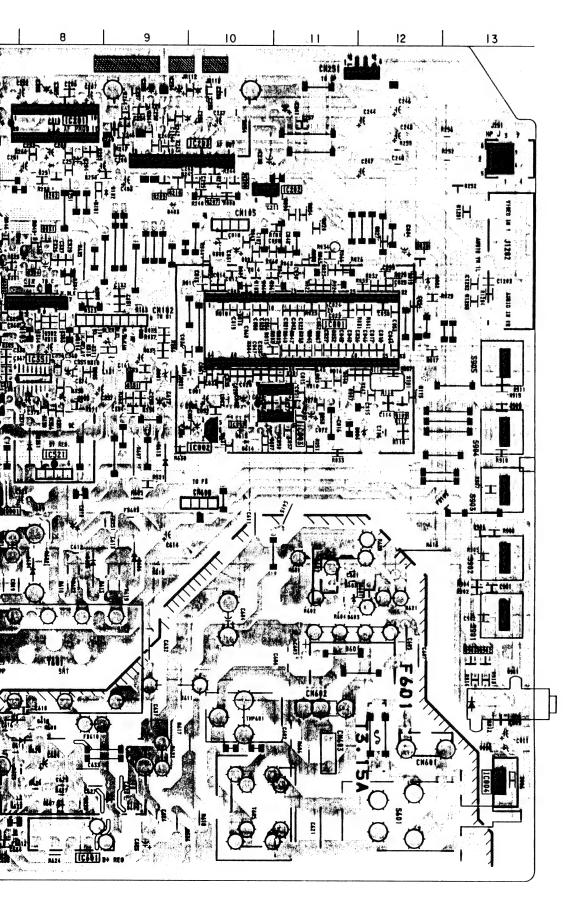
Α	BO	AR	D
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_	BOARD	,				- 4-						
	ICO01 D-11 IC002 E-10 IC003 E-11 IC004 I-13 IC005 E-10 IC101 E-3 IC102 E-7 IC201 A-8 IC202 B-10 IC203 B-10 IC300 D-6 IC351 D-8 IC354 D-7 IC401 B-6		Q821 Q902 Q903 Q1201 Q1202 Q1203 Q1204 Q1205 Q1206 Q1207 Q1208 Q1209 Q1264 Q1265 Q1513	F-6 H-13 A-3 A-3 A-2 B-2 B-3 A-2 B-2 C-1 C-2 G-6	D615 E-10 D801 F-2 D802 F-1 D820 G-6 D821 G-7 D851 H-4 D852 H-4 D853 J-3 D855 J-4 D857 F-3 D858 F-3 D860 E-2 D891 F-1 D901 H-13 D1201 A-2 D1202 B-2 D1203 B-2 D1204 A-2 D1205 B-2 D1206 B-2 D1207 B-2 D1208 B-2 D1209 B-3 D1504 G-6 D1505 G-6							
	IC521 IC551 IC601 IC602 IC603 IC801 IC1210 IC1211 IC1212	E-8 J-6 J-8 H-7 I-7 G-6 A-2 B-3 A-3	D001 D002 D003 D004 D005 D006 D007 D008	D-9 C-12 C-10 E-12 E-8 I-13 E-10	D1205 D1206 D1207 D1208 D1209 D1504	B-2 B-2 B-2 B-3 G-6						
	TRANS	ISTOR	D101 D102	B-8 B-9								
	Q001 Q030 Q031 Q108 Q109 Q110 Q202 Q207 Q208 Q209 Q210 Q301 Q302 Q303 Q304 Q351 Q401 Q402 Q403 Q404 Q405 Q406 Q407 Q408 Q409 Q410 Q411 Q412 Q413 Q414 Q415 Q416 Q417 Q418 Q551 Q561 Q601 Q801	F-7 C-12 C-12 D-3 B-10 B-9 B-7 C-7 C-8 B-6 C-6 B-6 C-5 C-5 C-5 B-6 C-5 B-6 C-5 B-6 C-6 B-6 C-7 B-6 C-7 B-6 B-1 C-1 B-1 C-1 B-1 B-1 B-1 C-1 B-1 B-1 B-1 B-1 B-1 B-1 B-1 B-1 B-1 B	D103 D251 D252 D301 D302 D303 D304 D305 D306 D307 D308 D309 D311 D312 D313 D314 D315 D351 D402 D403 D513 D551 D561 D562 D581 D562 D581 D562 D581 D560 D604 D605 D606 D607 D609 D610 D611 D613 D614	D-1 B-8 B-7 B-17 C-7 C-8 D-5 C-8 D-5 D-5 B-6 D-5 D-5 H-6 H-11 H-7 E-10 H-7 E-10 H-7 E-10 H-7 E-10 H-7 E-10 H-7 E-10 H-7 E-10 H-7 H-7 H-7 H-7 H-7 H-7 H-7 H-7 H-7 H-7								



Schematic diagram

A board-





NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

SECTION 9 **ELECTRICAL PARTS LIST**



NOTE:

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The componants identified by shading and mark A are critical for safety. Replace only with part number specified.

- The components identified by \blacksquare in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- · All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- · All resistors are in ohms

When indicating parts by reference number, please include the board name.

- CAPACITORS PF: μμ F
- There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

• F : nonflammable											
REF. NO.	PART NO.	DESCRIPTION		F	REMARK	REF. NO.	PART NO.	DESCRIPTION		F	REMARK
	* A-1297-773-A	A BOARD, CO		KV-G25N	M11)	C051	1-163-117-00	CERAMIC CHIP	100PF	5% (V)	50V
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				C052	1-164-004-11	CERAMIC CHIP	0.1MF	10%	V-G25M11) 25 V
	* A-1297-768-A	A BOARD, CO!		CV-G25N	M1)	C053 C055	1-163-009-11 1-126-941-11	CERAMIC CHIP ELECT	0.001MF 470MF	10% 20%	50 V 16 V
		CONNECTOR PI	N (DY) 6P			C056	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50 V
		HOLDER, FBT SCREW (M3X10)	P SW (±)	`		C057 C058		CERAMIC CHIP CERAMIC CHIP		5% 5%	50 ∨ 50 ∨
		SCREW +BVTP				C059	1-163-117-00	CERAMIC CHIP	100PF	5%	50 V
						C060		CERAMIC CHIP		10%	50 V
		<capacitor></capacitor>				C061 C072	1-164-505-11 1-126-941-11	CERAMIC CHIP	2.2MF 470MF	20%	16 V 16 V
C001	1-163-011-11	CERAMIC CHIP	0.0015MF	10%	50V	C074		CERAMIC CHIP		10%	50 V
C002	1-126-965-11	ELECT	22MF	20%	50V	C101	1-163-029-11	CERAMIC CHIP	0.0047MF		50 V
C003 C004	1-163-117-00 1-126-961-11	CERAMIC CHIP	100PF 2.2MF	5% 20%	50V 50V	C105	1-104-665-11	ELECT	100MF	20%	16 V
C007	1-124-902-00		0.47MF	20%	50V	C106	1-124-907-11		10MF	20%	50 V
~~	1 162 117 00	CED ANG CHID	100DE	5%	50V	C108	1-126-942-61		1000MF	20%	16 V
C008 C009		CERAMIC CHIP CERAMIC CHIP		5%	50 V	C109 C110	1-136-165-00	CERAMIC CHIP	0.004/MF 0.1MF	10% 5%	50 V 50 V
C010	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V	C111		CERAMIC CHIP		10%	50 V
C011 C012	1-126-967-11	ELECT CERAMIC CHIP	47MF	20% 5%	16V 50V	C114	1-163-117-00	CERAMIC CHIP	100DE	5%	50 V
C012	1-103-117-00	CERAINIC CITI	10011	3 70	JU ¥	C115	1-163-093-00	CERAMIC CHIP	10PF	5%	50 V
C013		CERAMIC CHIP		10%	50V	C116	1-136-165-00		0.1MF	5%	50 V
C014 C015	1-163-009-11 1-101-884-00	CERAMIC CHIP	0.001MF 56PF	10% 5%	50V 50V	C117 C118	1-163-117-00	CERAMIC CHIP	100PF 22MF	5% 20%	50 V 50 V
C016	1-101-884-00		56PF	5%	50 V	CITO				2070	50 ▼
C017	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	C119 C120		CERAMIC CHIP		E Of	50V
C018	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	C120	1-130-493-00 1-130-493-00		0.068MF 0.068MF	5% 5%	50 V 50 V
					/-G25M11)		1-104-665-11	ELECT	100MF	20%	16 V
C019 C020		CERAMIC CHIP CERAMIC CHIP		10% 10%	50V 50V	C124	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25 V
C021	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	C125	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25 V
C022	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50 V	C127		CERAMIC CHIP		10%	25~
C023	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	C128 C233	1-103-077-00	CERAMIC CHIP ELECT	1MF	10% 20%	25 V 50 V
C024	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	C234	1-126-967-11	ELECT	47MF	20%	164
C025 C026		CERAMIC CHIP CERAMIC CHIP		10% 10%	50V 50V	C235	1-126-967-11	FLECT	47MF	20%	16~
C027		CERAMIC CHIP		10%	50V	C236	1-126-968-11	ELECT	100MF	20%	35 🗸
C 028	1 162 000 11	CERAMIC CHIP	0.0011475	10%	50V	C237 C238	1-104-665-11 1-136-167-00		100MF	20%	16 V
C029		CERAMIC CHIP		10%	50V	C238	1-126-942-61		0.15MF 1000MF	5% 20%	50V 25V
C034	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V						
C035 C036		CERAMIC CHIP CERAMIC CHIP		10% 10%	50V 50V	C242 C243	1-164-232-11 1-128-551-11	CERAMIC CHIP	0.01MF 22MF	10% 20%	50 V 25 V
C030	1-105-009-11	CERTAIN CHI	0.0011411			C244	1-126-942-61		1000MF	20%	25
C037		CERAMIC CHIP		5%	50V 50V	C253	1-104-665-11		100MF	20%	16~
C038 C040		CERAMIC CHIP CERAMIC CHIP		5% 5%	50V	C255	1-104-232-11	CERAMIC CHIP	0.01MF	10%	50~
C042	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	C258	1-130-495-00		0.1MF	5%	50~
C 044	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	C300 C304	1-126-967-11	ELECT CERAMIC CHIP	47MF	20% 10%	16 V 25 V
C045		CERAMIC CHIP		5%	50V	C305	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25
C046		CERAMIC CHIP		5%	50V	C306	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25~
C047 C048		CERAMIC CHIP CERAMIC CHIP		5% 10%	50V 25V					(K	(V-G-25M1)
C049		CERAMIC CHIP		10%	25V	C306		CONDUCTOR, C			
Coso	1 124 002 11	FIECT	1MF	20%	50V	C307		CERAMIC CHIP		10%	25
C 050	1-124-903-11	ELECT	INIT	2070	30 V	C308	1-104-004-11	CERAMIC CHIP	U. I.WIF	10%	25



Les composants identifies par une trame et une marque Λ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The componants identified by shading and mark ∆ are critical for safety.

Replace only with part number specified.

	REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
Colin												
1-163-231-11 CERAMIC CHIP 19PF 5% 50V C33							C523	1-104-665-11	ELECT	100MF	20%	16V
1-164-161-11 CERAMIC CHIP 0740F 10%	C312	1-163-231-11	CERAMIC CHIP	15PF	5%	50V						
C316	C314	1-164-161-11	CERAMIC CHIP (0.0022MF	10%	50V	C552	1-126-968-11	ELECT	100MF	20%	35V
1-i6-595-i1							C554	1-102-244-00	CERAMIC	220PF	10%	500V
1-164-004-11 CERAMIC CHIP 0.1MF	C317	1-164-505-11	CERAMIC CHIP 2	2.2MF		16V				100MF	20%	16 V
C232 1-16,39-9.0 CONDUCTOR CHIP C334 1-164-33-11 CERAMIC CHIP 17P 5% 50V C335 1-164-33-11 CERAMIC CHIP 12PF 5% 50V C336 1-163-09-9.0 CERAMIC CHIP 12PF 5% 50V C336 1-163-09-9.0 CERAMIC CHIP 12PF 5% 50V C336 1-163-09-9.0 CERAMIC CHIP 12PF 5% 50V C337 1-164-09-9.0 CERAMIC CHIP 12PF 5% 50V C338 1-164-09-9.0 CERAMIC CHIP 12PF 5% 50V C338 1-164-09-9.0 CERAMIC CHIP 0.1MF 10% 25V C339 1-164-09-9.0 CERAMIC CHIP 0.1MF 10% 25V C330 1-164-09-9.1 CERAMIC CHIP 0.1MF 10% 25V C331 1-164-09-9.1 CERAMIC CHIP 0.1MF 10% 25V C331 1-164-09-9.1 CERAMIC CHIP 0.0MB 10% 25V C333 1-164-09-9.1 CERAMIC CHIP 0.0MB 10% 25V C334 1-164-182-11 CERAMIC CHIP 0.0MB 10% 25V C335 1-102-17-100 CERAMIC CHIP 0.0MB 10% 25V C336 1-124-007-11 ELECT 10MF 20% 50V C337 1-104-65-11 ELECT 10MF 20% 50V C338 1-164-09-9.1 CERAMIC CHIP 0.0MB 10% 25V C339 1-164-182-11 CERAMIC CHIP 0.0MB 10% 25V C330 1-124-007-11 ELECT 10MF 20% 25V C331 1-164-09-9.1 CERAMIC CHIP 0.0MB 10% 25V C331 1-164-09-9.1 CERAMIC CHIP	C320	1-164-004-11	CERAMIC CHIP (0.1MF	10%	25V	C601	1-162-318-11	CERAMIC		10%	
1-164-337-11 CERAMIC CHIP 10FF 5% 50V C608 1-164-132-10 CERAMIC CHIP 10FF 5% 50V C609 1-124-37-00 CERAMIC CHIP 10FF 10% 25V C609 1-124-37-00 CERAMIC 470FF 10% 25V C601 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C601 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C601 1-162-225-00 CERAMIC 470FF 10% 500V C601 1-162-125-00 CERAMIC 470FF 10% 500V C601 1-162-125-00 CERAMIC CHIP 0.004FF 10% 500V C602 1-162-125-00 CERAMIC CHIP 0.004FF 1											20%	
1-163-095-00 CERAMIC CHIP 10PF 5% 50V C610 1-124-947-00 ELECT 100MF 20% 23V C611 1-126-947-11 ELECT 100MF 20% 50V C611 2-150-985-51 CERAMIC 470PF 10% 400V C613 1-124-907-11 ELECT 100MF 20% 50V C614 1-126-947-11 ELECT 100MF 20% 50V C615 1-126-947-11 ELECT 100MF 20% 50V C616 1-126-228-00 CERAMIC 470PF 10% 50V C616 1-126-228-00 CERAMIC						16 V						
1-163-093-00 CERAMIC CHIP 104F 1076 2575 1-163-101-00 CERAMIC CHIP 0.0019MF 1076 2575 1-163-01-10 CERAMIC CHIP 0.0017MF 1076 2575 1-163-01-10 CERAMIC CHIP 0.0017MF 1076 2575 1-163-01-10 CERAMIC CHIP 0.0017MF 1076 2575 1-163-01-10 CERAMIC CHIP 0.00017MF 1076 2575 1-163-01-10 CERAMIC					_		C609	1-124-347-00	ELECT	100MF	20%	160V
1-163-01-60 CERAMIC CHIP 0.0399MF 10% SOV C612												
1-124-907-11 ELECT	C329	1-163-016-00	CERAMIC CHIP	0.0039 MF	10%	50 V						
Carrell Carr							C614	1-126-943-11	ELECT	2200MF	20%	25V
1-16-182-11 CERAMIC CHIP 0.0033MF 10% 50V C619 1-162-116-00 CERAMIC 0.0047MF 10% 25V C622 1-106-383-0.0 MYLAR 0.1MF 20% 25V C623 1-164-070-55 if PILM 0.1MF 10% 200V C623 1-124-907-11 ELECT 1.00MF 20% 1.00												
C336	C334	1-164-182-11	CERAMIC CHIP	0.0033 MF	10%	50V						
C338							C622	1-106-383-00	MYLAR	0.047MF	10%	200V
C340												
C3341	C339	1-163-121-00	CERAMIC CHIP	150PF	5%	50 V						
C344							C630 A	1-104-985-51	CERAMIC	470PF		400V 1
C349											10%	400V
C351	C349	1-128-551-11	ELECT	22MF	20%	25V						
C358								1-123-024-21	ELECT	33MF	10%	
C361 1-163-009-11 CERAMIC CHIP 0.001MF 10% 50V C806 1-124-903-11 ELECT 1MF 20% 50V C806 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C368 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C369 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C369 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C370 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C809 1-162-115-00 CERAMIC 0.001MF 10% 50V C810 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C810 1-166-318-11 CERAMIC 0.001MF 10% 50V C811 1-162-318-11 CERAMIC 0.001MF 10% 50V C812 1-136-617-11 FILM 0.019MF 3% 2KV C402 1-164-232-11 CERAMIC CHIP 0.01MF 10% 50V C820 1-162-115-00 CERAMIC 330PF 10% 2KV C403 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C820 1-162-115-00 CERAMIC 330PF 10% 2KV C405 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C820 1-162-318-11 FILM 1.5MF 5% 200V C820 1-163-319-00 CERAMIC CHIP 0.0047MF 10% 50V C821 1-163-3017-00 CERAMIC CHIP 0.0047MF 10% 50V C820 1-164-232-11 CERAMIC CHIP 0.0047MF 10% 50V C821 1-163-3017-00 CERAMIC CHIP 0.0047MF 10% 50V C821 1-163-3017-00 CERAMIC CHIP 0.0047MF 10% 50V C821 1-164-232-11 CERAMIC 0.001MF 10% 50V C825 1-106-367-00 MYLAR 0.01MF 10% 50V C825 1-106-367-00 MYLAR 0.01MF 10% 50V C826 1-162-318-11 FILM 1.5MF 5% 200V C827 1-163-103-00 CERAMIC CHIP 0.0047MF 10% 50V C828 1-166-318-11 CERAMIC 0.001MF 10% 50V C829 1-162-318-11 CERAMIC CHIP 0.0047MF 10% 50V C829 1-162-318-11 CERAMIC CHIP 0.0047MF 10% 50V C829 1-162-3							C804					
C367 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C809 1-162-115-00 CERAMIC 330PF 10% 2KV C368 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C810 1-162-318-11 CERAMIC 0.0082MF 200V C370 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C811 1-162-318-11 CERAMIC 0.001MF 10% 500V C374 1-124-910-11 ELECT 47MF 20% 50V C812 1-136-617-11 FILM 0.019MF 3% 2KV C810 1-164-004-11 CERAMIC CHIP 0.1MF 10% 50V C812 1-136-617-10 ELECT 10MF 20% 160V C812 1-136-617-10 ELECT 10MF 20% 160V C402 1-164-232-11 CERAMIC CHIP 0.0047MF 10% 50V C820 1-162-115-00 CERAMIC 330PF 10% 2KV C403 1-126-965-11 ELECT 22MF 20% 50V C820 1-162-115-00 CERAMIC CHIP 0.0047MF 10% 50V C821 1-106-391-12 MYLAR 0.1MF 10% 50V C821 1-136-017-00 CERAMIC CHIP 0.0047MF 10% 50V C822 1-136-541-11 FILM 1.5MF 5% 200V C405 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C825 1-106-367-00 MYLAR 0.01MF 10% 50V C825 1-106-361-11 ELECT 470MF 20% 25V C850 1-124-480-11 ELECT 470MF 20% 25V C850 1-124-480-11 ELECT 470MF 20% 25V C850 1-124-480-11 ELECT 470MF 20% 25V C851 1-163-113-00 CERAMIC CHIP 68PF 5% 50V C851 1-163-113-00 CERAMIC CHIP 68PF 5% 50V C851 1-124-910-11 ELECT 33MF 20% 25V C813 1-163-131-10 CERAMIC CHIP 100PF 5% 50V C860 1-102-228-00 CERAMIC 470PF 10% 50V C814 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C861 1-107-654-11 ELECT 33MF 20% 250V C814 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C861 1-108-702-11 MYLAR 0.068MF 10% 100V C420 1-163-103-100 CERAMIC CHIP 100PF 5% 50V C861 1-108-702-11 MYLAR 0.068MF 10% 100V C420 1-163-103-00 CERAMIC CHIP 100PF 5% 50V C898 1-108-702-11 MYLAR 0.068MF 10% 100V C420 1-163-103-00 CERAMIC CHIP 100PF 5% 50V C801 1-163-133-00 CERAMIC CHIP 470PF 5%	C361				10%	50 V	C806	1-124-903-11	ELECT	1MF	20%	50V
C368							C808	1-130-895-00	FILM	0.056MF	10%	400 V
C370	C368	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25 V					10%	
C375 1-124-910-11 ELECT 47MF 20% 50V C402 1-164-232-11 CERAMIC CHIP 0.01MF 10% 50V C403 1-126-965-11 ELECT 22MF 20% 50V C405 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C406 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C407 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C409 1-163-019-00 CERAMIC CHIP 0.0047MF 10% 50V C410 1-163-103-00 CERAMIC CHIP 27PF 5% 50V C410 1-163-113-00 CERAMIC CHIP 27PF 5% 50V C411 1-163-113-00 CERAMIC CHIP 68PF 5% 50V C412 1-163-113-00 CERAMIC CHIP 68PF 5% 50V C413 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C414 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C415 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C416 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C417 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C418 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C419 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C410 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C411 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C412 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C413 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C414 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C415 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C416 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C417 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C418 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C419 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C410 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C411 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C412 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C413 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C414 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C415 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C416 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C417 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C418 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C419 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C420 1-126-967-11 ELECT 47MF 20% 16V C420	C370	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C811	1-162-318-11	CERAMIC	0.001MF		500V
C402 1-164-232-11 CERAMIC CHIP 0.01MF 10% 50V C403 1-126-965-11 ELECT 22MF 20% 50V C406 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C406 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C408 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C409 1-163-109-00 CERAMIC CHIP 0.0047MF 10% 50V C410 1-163-103-00 CERAMIC CHIP 27PF 5% 50V C411 1-163-113-00 CERAMIC CHIP 27PF 5% 50V C412 1-163-113-00 CERAMIC CHIP 68PF 5% 50V C413 1-104-665-11 ELECT 100MF 20% C414 1-163-117-00 CERAMIC CHIP 0.0047MF 10% 50V C415 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C416 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C417 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C418 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C419 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C410 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C411 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C412 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C413 1-104-665-11 ELECT 100MF 20% C414 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C415 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C416 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C417 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C418 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C419 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C420 1-126-967-11 ELECT 47MF 20% 16V C420 1-126-967-11 ELECT 47MF 20% 16V C422 1-163-129-00 CERAMIC CHIP 330PF 5% 50V C422 1-163-129-00 CERAMIC CHIP 330PF 5% 50V C422 1-163-129-00 CERAMIC CHIP 100PF 5% 50V C421 1-163-129-00 CERAMIC CHIP 100PF 5% 50V C422 1-163-129-00 CERAMIC CHIP 100PF 5% 50V C421 1-163-129-00 CERAMIC CHIP 100PF 5% 50V C422 1-163-130-00 CERAMIC CHIP 100PF 5% 50V C420 1-163-130-00 CERAMIC CHIP 100PF 5% 50V C421 1-163-129-00 CERAMIC CHIP 100PF 5% 50V C422 1-163-129-00 CERAMIC CHIP 100PF 5% 50V C421 1-163-129-00 CERAMIC CHIP 100PF 5% 50V C422 1-163-129-00 CERAMIC CHIP 330PF 5% 50V C421 1-163-129-00 CERAMIC CHIP 100PF 5% 50V C422 1-163-129-00 CERAMIC CHIP 330PF 5% 50V C421 1-163-129-00 CERAMIC CHIP 100PF 5% 50V C422 1-163-129-00 CERAMIC CHIP 100PF 5% 50V C421 1-163-129-00 CERAMIC CHIP 100PF 5% 50V C422 1-163-129-00 CERAMIC CHIP 330PF 5% 50V C421 1-163-129-00 CERAMIC CHIP 100PF 5% 50V							C816	1-123-947-00	ELECT	10MF	20%	160V
C405 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C822 1-136-541-11 FILM 1.5MF 5% 200V C820 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C823 1-164-232-11 CERAMIC CHIP 0.01MF 10% 50V C825 1-106-367-00 MYLAR 0.01MF 10% 200V C826 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C850 1-124-480-11 ELECT 470MF 20% 25V C409 1-163-103-00 CERAMIC CHIP 47PF 5% 50V C850 1-124-480-11 ELECT 470MF 20% 25V C410 1-163-103-00 CERAMIC CHIP 27PF 5% 50V C853 1-162-318-11 CERAMIC 0.001MF 10% 500V C411 1-163-113-00 CERAMIC CHIP 68PF 5% 50V C854 1-124-480-11 ELECT 470MF 20% 25V C813 1-162-318-11 CERAMIC 0.001MF 10% 500V C813 1-104-665-11 ELECT 100MF 20% 16V C856 1-162-318-11 CERAMIC 0.001MF 5% 50V C857 1-136-165-00 FILM 0.1MF 5% 50V C813 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C860 1-102-228-00 CERAMIC 470PF 10% 500V C815 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C857 1-124-910-11 ELECT 33MF 20% 250V C815 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C875 1-124-910-11 ELECT 33MF 20% 250V C816 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C876 1-108-702-11 MYLAR 0.068MF 10% 100V C818 1-163-129-00 CERAMIC CHIP 100PF 5% 50V C891 1-163-007-11 CERAMIC CHIP 680PF 10% 50V C819 1-163-133-00 CERAMIC CHIP 100PF 5% 50V C891 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C810 1-108-702-11 MYLAR 0.068MF 10% 100V C810 1-108-702-11 ELECT 47MF 20% 10V C810 1-108-702-11 MYLAR 0.068MF 10% 100V C810 1-108-702-11 ELECT 47MF 20% 16V C810 1-108-702-11 MYLAR 0.068MF 10% 100V C810 1-163-132-00 CERAMIC CHIP 100PF 5% 50V C891 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C902 1-163-	C402	1-164-232-11	CERAMIC CHIP	$0.01 \mathrm{MF}$	10%	50V						
C407 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C850 1-124-480-11 ELECT 470MF 20% 25V C408 1-163-109-00 CERAMIC CHIP 47PF 5% 50V C850 1-124-480-11 ELECT 470MF 10% 500V C410 1-163-103-00 CERAMIC CHIP 27PF 5% 50V C851 1-162-318-11 CERAMIC 0.001MF 10% 500V C811 1-163-113-00 CERAMIC CHIP 68PF 5% 50V C851 1-162-318-11 CERAMIC 0.001MF 10% 500V C852 1-104-574-11 CERAMIC 0.001MF 10% 500V C854 1-124-480-11 ELECT 470MF 20% 25V C856 1-162-318-11 CERAMIC 0.001MF 10% 500V C857 1-136-165-00 FILM 0.1MF 5% 50V C858 1-162-318-11 CERAMIC 0.001MF 10% 500V C859 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C857 1-136-165-00 FILM 0.1MF 5% 50V C815 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C875 1-124-910-11 ELECT 33MF 20% 250V C875 1-124-910-11 ELECT 33MF 20% 250V C876 1-108-702-11 MYLAR 0.068MF 10% 100V C876 1-108-702-11 MYLAR 0.068MF 10% 100V C819 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C891 1-163-007-11 CERAMIC CHIP 680PF 10% 50V C819 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C891 1-163-007-11 CERAMIC CHIP 680PF 10% 50V C819 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C891 1-163-007-11 CERAMIC CHIP 680PF 10% 50V C819 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C891 1-163-133-00 CERAMIC CHIP 680PF 10% 50V C819 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C901 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C902 1-163-133-00 CERAMIC CHI	C405	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	C822	1-136-541-11	FILM	1.5MF	5%	200 V
C408							C825	1-106-367-00	MYLAR	0.01MF	10%	200V
C410 1-163-103-00 CERAMIC CHIP 27PF 5% 50V C411 1-163-113-00 CERAMIC CHIP 68PF 5% 50V C854 1-124-480-11 ELECT 470MF 20% 25V C854 1-163-113-00 CERAMIC CHIP 68PF 5% 50V C856 1-162-318-11 CERAMIC 0.001MF 10% 500V C857 1-36-165-00 FILM 0.1MF 5% 50V C857 1-36-165-00 FILM 0.1MF 5% 50V C8413 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C857 1-36-165-00 FILM 0.1MF 5% 50V C8415 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C861 1-107-654-11 ELECT 33MF 20% 250V C816 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C875 1-124-910-11 ELECT 33MF 20% 250V C876 1-108-702-11 MYLAR 0.068MF 10% 100V C876 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C891 1-163-007-11 CERAMIC CHIP 680PF 10% 50V C818 1-163-129-00 CERAMIC CHIP 100PF 5% 50V C891 1-163-007-11 CERAMIC CHIP 680PF 10% 50V C819 1-163-1317-00 CERAMIC CHIP 100PF 5% 50V C891 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C819 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C901 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C902 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C1201 1-104-665-11 ELECT 100MF 20% 16V	C408	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V						
C412 1-163-113-00 CERAMIC CHIP 68PF 5% 50V C857 1-136-165-00 FILM 0.1MF 5% 50V C413 1-104-665-11 ELECT 100MF 20% 16V C414 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C860 1-102-228-00 CERAMIC 470PF 10% 500V C415 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C861 1-107-654-11 ELECT 33MF 20% 250V C416 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C875 1-124-910-11 ELECT 47MF 20% 50V C876 1-108-702-11 MYLAR 0.068MF 10% 100V C418 1-163-129-00 CERAMIC CHIP 100PF 5% 50V C891 1-163-007-11 CERAMIC CHIP 680PF 10% 50V C419 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C891 1-163-007-11 CERAMIC CHIP 680PF 10% 50V C419 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C891 1-163-007-11 MYLAR 0.068MF 10% 100V C420 1-126-967-11 ELECT 47MF 20% 16V C901 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C422 1-163-129-00 CERAMIC CHIP 330PF 5% 50V C902 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C902 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C1201 1-104-665-11 ELECT 100MF 20% 16V	C410	1-163-103-00	CERAMIC CHIP	27 PF	5%	50V	C853	1-162-318-11	CERAMIC	0.001MF	10%	500V
C413							C856	1-162-318-11	CERAMIC	0.001MF	10%	500V
C415 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C416 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C875 1-124-910-11 ELECT 47MF 20% 50V C875 1-124-910-11 ELECT 47MF 20% 50V C876 1-108-702-11 MYLAR 0.068MF 10% 100V C418 1-163-129-00 CERAMIC CHIP 100PF 5% 50V C891 1-163-007-11 CERAMIC CHIP 680PF 10% 50V C419 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C891 1-163-007-11 CERAMIC CHIP 680PF 10% 50V C419 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C898 1-108-702-11 MYLAR 0.068MF 10% 100V C420 1-126-967-11 ELECT 47MF 20% 16V C901 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C422 1-163-129-00 CERAMIC CHIP 330PF 5% 50V C902 1-163-133-00 CERAMIC CHIP 470PF 5% 50V	C413 C414	1-104-665-1 1-163-117-0	ELECT CERAMIC CHIP	100MF 100PF	20% 5%	16V		1-102-228-00	CERAMIC	470PF		
C417 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C418 1-163-129-00 CERAMIC CHIP 330PF 5% 50V C419 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C420 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C422 1-163-129-00 CERAMIC CHIP 330PF 5% 50V C422 1-163-129-00 CERAMIC CHIP 330PF 5% 50V C422 1-163-129-00 CERAMIC CHIP 330PF 5% 50V C420 1-163-129-00 CERAMIC CHIP 470PF 5% 50V C420 1-163-129-00 CERA		1-163-017-00	CERAMIC CHIP	0.0047MF			C875	1-124-910-11	ELECT	47MF	20%	50 V
C419 1-163-117-00 CERAMIC CHIP 100PF 5% 50V C898 1-108-702-11 MYLAR 0.068MF 10% 100V C420 1-126-967-11 ELECT 47MF 20% 16V C901 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C422 1-163-129-00 CERAMIC CHIP 330PF 5% 50V C902 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C1201 1-104-665-11 ELECT 100MF 20% 16V		1-163-117-0	CERAMIC CHIP	100PF								
C422 1-163-129-00 CERAMIC CHIP 330PF 5% 50V C902 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C1201 1-104-665-11 ELECT 100MF 20% 16V	C419	1-163-117-0	CERAMIC CHIP	100PF	5%	50V						
							C902	1-163-133-00	CERAMIC CHIP	470PF	5%	50 V
	C423	1-163-129-0	0 CERAMIC CHIP	330PF	5%	50 V						

The componants identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifies par une trame et une marque Λ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



REF. NO.	PART NO.				REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C1204 C1205	1-104-665-11	ELECT CERAMIC CHIP	100MF 0.1MF	20% 10%	16V 25V	D561	8-719-911-19	DIODE 1SS119-25	
C1210 C1213	1-104-665-11 1-124-903-11 1-124-907-11	ELECT ELECT	100MF 1MF	20% 20%	16V 50V 50V	D591 D601 D602	8-719-052-84	DIODE 1SS119-25 DIODE LN4SB60 THYRISTOR 5P6M	
C1214 C1217	1-104-665-11	ELECT	10MF 100MF	20% 20%	16V	D602 D603 D604	8-719-110-36	DIODE RD13ESB2 DIODE RU4DS	
C1218 C1219 C1221	1-104-665-11	CERAMIC CHIP ELECT CERAMIC CHIP	100MF	5% 20%	50V 16V 25V	D605 D606		DIODE S3L20UF4 DIODE S3L20UF4	
C1224	1-216-295-91	CONDUCTOR, C	HIP			D607 D609	8-719-510-26 8-719-510-26	DIODE D1NL20-TA DIODE D1NL20-TA	
C1225 C1226 C1228	1-124-120-11	CERAMIC CHIP ELECT CERAMIC CHIP	220MF	20%	25V 16V 16V	D610 D611	8-719-510-26	DIODE D1NL20-TA DIODE D1NL20-TA	
C1229 C1230	1-164-005-11	CERAMIC CHIP CERAMIC CHIP	0.47MF	10%	25V 25V	D801 D802 D851		0 DIODE ERC06-15S 6 DIODE ERD29-08J	
C1260 C1513	1-163-037-11 1-124-122-11	CERAMIC CHIP ELECT	0.022MF 100MF	10% 20%	50V 50V	D852	8-719-028-72	DIODE RGP02-17EL-6433	
		<filter></filter>				D853 D855 D857	8-719-302-43 8-719-908-03	DIODE EL1Z DIODE EL1Z DIODE GP08D	
CF45		FILTER, CERAM FILTER, CERAM				D858 D860		DIODE GP08D DIODE 1SS119-25	
CF55 CF60 CF65	1-567-100-00	FILTER, CERAM FILTER, CERAM	IIC			D891 D901	8-719-054-60	DIODE ERC06-15S DIODE LNK0220022G	
		<connector></connector>				D1201 D1202 D1207	8-719-121-24	DIODE RD9.1ESL DIODE RD9.1ESL DIODE RD9.1ESL	
		PLUG, CONNEC	TOR (2.5M	1M) 4P		D1208 D1504	8-719-121-24	DIODE RD9.1ESL DIODE 1SS119-25	
CN106	* 1-770-747-11	PLUG, CONNEC CONNECTOR, B	OARD TO		O 12P V-G25M11)	D1505		DIODE RD4.7ESB2	
		PLUG, CONNECTO		R)				<fuse></fuse>	
CN603	*1-508-786-00	PIN, CONNECTO PIN, CONNECTO	OR (5mm P	ITCH) 2	2P	F601 /		FUSE, TIME-LAG (BET) 3.15A CLIP, FUSE; F601	/250V
CN851	* 1-508-766-00	PIN, CONNECTO	OK (5mm P	TICH) 4	er			<ferrite bead=""></ferrite>	
CT45	1_570_600_11	<trimmer> TRAP, CERAMIO</trimmer>	~			FB101 FB102		FERRITE BEAD INDUCTOR 1 FERRITE BEAD INDUCTOR 1	
CT55 CT60	1-404-801-11 1-409-429-11	TRAP, CERAMIC	RAP, CERAMIC RAP, CERAMIC			FB251 FB601	1-410-397-21 1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH FERRITE BEAD INDUCTOR 1.1UH	.1UH .1UH
CT65	1-409-327-00	TRAP, CERAMIO	C (6.5MHZ	.)		FB603 FB610	1-410-397-21	FERRITE BEAD INDUCTOR 1 FERRITE BEAD INDUCTOR 1	.1UH
D001	9 710 100 91	<diode> DIODE RD4.7ES</diode>	R2			FB612 FB801		FERRITE BEAD INDUCTOR 1 FERRITE BEAD INDUCTOR 1	
D002 D003	8-719-911-19 8-719-041-97	DIODE ISS119-2 DIODE MA113-(25 TX)					<ic></ic>	
D005 D008		DIODE RD5.1ES DIODE RD5.6ES				IC001		IC CXP85116B-642S CASE (A), SHIELD; IC001	
D103 D251 D252	8-719-911-19	DIODE DA204K DIODE 1SS119-2 DIODE DA204K	25			IC002 IC003 IC004	8-759-093-95	IC L78LR05D-MA IC CAT24C04P ELEMENT,RAY-CATCHER SI	X170a_11
D301 D305	8-719-041-97	DIODE DA204K DIODE MA113-(DIODE MA113-(TX)			IC102	8-759-157-40	IC uPC574J	221750- 11
D306 D307		DIODE 188119-2				IC203 IC300 IC351	8-759-365-26	IC TA8223K IC TDA8375A IC TDA4665T-T	
D308 D310	8-719-109-54 8-719-041-97	DIODE RD2.2ES DIODE MA113-(B2 TX)			IC354 IC401	8-759-251-56 8-759-800-65	IC TDA8395T IC LA7910	
D311 D312	8-719-110-08	DIODE RD3.6ES DIODE RD8.2ES	B2			IC521 IC551	8-759-801-98		
D315 D351 D399	8-719-908-03	DIODE RD9.1ES DIODE GP08D DIODE RD9.1ES				IC601 IC602 IC603	8-749-920-61	IC STR-S6708 IC SE-135N PHOTO COUPLER PC123F2	
D401	8-719-421-40	DIODE MA77				IC801	8-759-100-96	IC uPC4558G2	
D402 D403 D513	8-719-911-19	DIODE 188119-2 DIODE 188119-2 DIODE RD5.1E8	25			IC1210 IC1211		IC uPC4558G2 IC NJM2234L	
D551		DIODE GP08D							



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
		<jack></jack>		Q801	8-729-140-96	TRANSISTOR 2S	SD774-34		
J251 J1201 J1202		JACK BLOCK, PIN 4P JACK BLOCK, PIN 2P		Q802 Q821 Q902 Q903 Q1201	8-729-018-99 8-729-421-19 8-729-421-19	TRANSISTOR 2S TRANSISTOR US TRANSISTOR US TRANSISTOR US TRANSISTOR 2S	D2394-F N2213 N2213		
TD 101		<chip conductor=""></chip>		Q1202		TRANSISTOR 2S			
JR101 JR103 JR112 JR116	1-216-295-91 1-216-295-91	CONDUCTOR, CHIP CONDUCTOR, CHIP (KV-G25M CONDUCTOR, CHIP CONDUCTOR, CHIP	11)	Q1203 Q1204 Q1207 Q1208	8-729-216-22 8-729-422-27	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	A1162-G D601A-Q		
		<coil></coil>		Q1209 Q1265 Q1513	8-729-424-67	TRANSISTOR 2S TRANSISTOR UN TRANSISTOR 2S	N2216		
L001 L002		INDUCTOR 1UH INDUCTOR 10UH							
L003 L101 L301	1-410-470-11	INDUCTOR 15UH INDUCTOR 10UH INDUCTOR 3.9UH		R001		<pre><resistor> METAL GLAZE</resistor></pre>		5%	1/10W
L401 L402	1-410-510-11	INDUCTOR 1.2UH INDUCTOR 12UH		R002 R003 R004	1-216-065-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 4.7K	5% 5% 5%	1/10W 1/10W 1/10W
L403 L404	1-410-508-11	INDUCTOR 12UH INDUCTOR 8.2UH		R007		METAL GLAZE		5%	1/10W
L405		INDUCTOR 8.2UH		R008 R009	1-216-049-91	METAL GLAZE METAL GLAZE	1K	5% 5%	1/10W 1/10W
L406 L407 L408	1-410-511-11	INDUCTOR 6.8UH INDUCTOR 15UH		R010 R012	1-216-017-91	METAL GLAZE	47	5% 5%	1/10W 1/10W
L408 L409 L410	1-410-501-11	INDUCTOR 1.8UH INDUCTOR 2.2UH INDUCTOR 2.2UH		R013 R014		METAL GLAZE		5%	1/10W
L411		INDUCTOR 2.7UH		R015 R016	1-216-043-91	METAL GLAZE METAL GLAZE METAL GLAZE	560	5% 5% 5%	1/10W 1/10W 1/10W
L802 L804	1-412-527-11	INDUCTOR 15UH COIL,DYNAMIC CONVERSION	CHOKE	R017 R018	1-216-057-00	METAL GLAZE METAL GLAZE	2.2K	5% 5%	1/10W 1/10W
L805 L807	1-459-907-11	COIL, HORIZONTAL LINEARIT COIL (WITH CORE)		R019 R020	1-216-101-00	METAL GLAZE METAL GLAZE	150K	5% 5%	1/10W 1/10W
L808 L821		INDUCTOR 3.3mH COIL, DRAM CORE (CDI)		R020		METAL GLAZE			V-G25M11) 1/10W
L850		INDUCTOR 2.2mH		R025 R027	1-216-057-00	METAL GLAZE METAL GLAZE	2.2K	5% 5%	1/10W 1/10W
		<transistor></transistor>		R028 R029		METAL GLAZE		5% 5%	1/10W 1/10W
Q030 Q108		TRANSISTOR 2SD601A-Q TRANSISTOR 2SD601A-Q		R031 R033	1-216-049-91	METAL GLAZE METAL GLAZE METAL GLAZE	1 K	5% 5%	1/10 W 1/10 W 1/10 W
Q109 Q110	8-729-422-27	TRANSISTOR 2SD601A-Q TRANSISTOR 2SD601A-Q		R035		METAL GLAZE		5%	1/10W
Q202		TRANSISTOR 2SA1162-G		R036 R038		METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W
Q207 Q208		TRANSISTOR 2SA1162-G TRANSISTOR UN2213		R040 R041	1-216-033-00	METAL GLAZE METAL GLAZE	220	5% 5%	1/10W 1/10W
Q210 Q301	8-729-424-67	TRANSISTOR UN2216 TRANSISTOR UN2211		R042		METAL GLAZE		5%	1/10W
Q303		TRANSISTOR 2SD601A-Q		R045 R047		METAL GLAZE METAL GLAZE		5% 5%	1/10 W 1/10 W
Q402 Q403		TRANSISTOR 2SC2410SN TRANSISTOR UN2216		R048 R053		METAL GLAZE METAL GLAZE		5% 5%	1/10 W 1/10 W
Q404 Q405	8-729-216-22	TRANSISTOR UN2216 TRANSISTOR 2SA1162-G		R054	1-216-073-00	METAL GLAZE	10 K	5%	1/10 W
Q406	8-729-216-22	TRANSISTOR 2SA1162-G		R057 R060		METAL GLAZE METAL GLAZE		5% 5%	1/10 W 1/10 W
Q407 Q408		TRANSISTOR 2SA1162-G TRANSISTOR 2SD601A-Q		R061 R062		METAL GLAZE METAL GLAZE		5% 5%	1/10 W 1/10 W
Q409 Q410	8-729-216-22	TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G		R063	1-216-057-00	METAL GLAZE	2.2K	5%	1/10 W
Q411		TRANSISTOR 2SD601A-Q		R065 R066		METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W
Q412 Q413	8-729-424-67	TRANSISTOR 2SD601A-Q TRANSISTOR UN2216		R067 R068	1-216-025-91	METAL GLAZE METAL GLAZE	100	5% 5%	1/10W 1/10W
Q414 Q415	8-729-424-67	TRANSISTOR 2SD601A-Q TRANSISTOR UN2216		R071		METAL GLAZE		5%	1/10W
Q416 Q417		TRANSISTOR 2SD601A-Q		R076 R077	1-216-025-91	METAL GLAZE METAL GLAZE	100	5% 5%	1/10W 1/10W
Q417 Q418 Q561	8-729-424-67	TRANSISTOR UN2216 TRANSISTOR UN2216		R090 R101	1-216-065-00	METAL GLAZE METAL GLAZE	4.7K	5% 5%	1/10W 1/10W
Q601		TRANSISTOR 2SA1091-O TRANSISTOR 2SD601A-Q		R102	1-210-049-91	METAL GLAZE	ıĸ	5%	1/10 W



REF. NO.	PART NO.	DESCRIPTION		REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R113		METAL GLAZE 22K	5%	1/10W	R344	1-216-129-00	METAL GLAZE	2.2M	5%	1/ 10W
R114 R115	1-216-081-00	METAL GLAZE 470 METAL GLAZE 22K	5% 5%	1/10W 1/10W	R351		METAL GLAZE		5%	1/10W
R116 R117		METAL GLAZE 22K METAL GLAZE 22K	5% 5%	1/10W 1/10W	R355 R356		METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W
					R360	1-208-291-11	METAL GLAZE	4.7M	5%	1/ 10W
R118 R119		METAL GLAZE 22K METAL GLAZE 1.8K	5% 5%	1/10W 1/10W	R403	1-216-021-00	METAL GLAZE	08	5%	1/ I0W
R120	1-216-109-00	METAL GLAZE 330K	5%	1/10W	R406		METAL GLAZE		5% 5%	1/10W 1/10W
R131 R180		METAL OXIDE 18K METAL GLAZE 220	5% 5%	2W F 1/10W	R407 R408		METAL GLAZE METAL GLAZE		5%	1/10W
R181	1 216 022 00	METAL GLAZE 220	5%	1/10W	R409 R410		METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W
R182	1-216-033-00	METAL GLAZE 220	5%	1/10W						
R241 R242		METAL GLAZE 330 METAL GLAZE 620	5% 5%	1/10W 1/10W	R411 R412		METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W
R243		METAL GLAZE 10K	5%	1/10W	R413	1-216-057-00	METAL GLAZE	2.2K	5% 5%	1/10W 1/10W
R244		METAL GLAZE 10K	5%	1/10 W	R414 R415		METAL GLAZE METAL GLAZE		5%	1/10W
R245 R248		METAL GLAZE 5.6K METAL GLAZE 3.9K	5% 5%	1/10W 1/10W	R416	1-216-033-00	METAL GLAZE	220	5%	1/10W
R250	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R417	1-216-033-00	METAL GLAZE	220	5%	1/10W
R251	1-216-295-91	CONDUCTOR, CHIP			R418 R419		METAL GLAZE METAL GLAZE		5% 5%	1/1 0W 1/1 0W
R252	1-249-411-11		5%	1/4W 1/10W	R420	1-216-039-00	METAL GLAZE	390	5%	1/1 OW
R253 R254	1-249-389-11		5% 5%	1/4W	R421		METAL GLAZE		5%	1/1 OW
R265 R266		METAL GLAZE 4.7K METAL GLAZE 47K	5% 5%	1/10W 1/10W	R422 R423		METAL GLAZE METAL GLAZE		5% 5%	1/ 1 0W 1/ 1 0W
			5 70	171017	R424	1-216-057-00	METAL GLAZE	2.2K	5%	1/1 OW
R302 R303		CONDUCTOR, CHIP METAL GLAZE 100	5%	1/10W	R425	1-216-039-00	METAL GLAZE	390	5%	1/ 1 OW
R304	1-216-025-91	METAL GLAZE 100	5%	1/10W	R426		METAL GLAZE METAL GLAZE		5% 5%	1/ 1 OW 1/ 1 OW
R305 R306		METAL GLAZE 100 METAL GLAZE 100	5% 5%	1/10W 1/10W	R427 R428	1-216-081-00	METAL GLAZE	22K	5%	1/1 OW
R307	1.216.025.01	METAL GLAZE 100	5%	1/10W	R429 R430		METAL GLAZE METAL GLAZE		5% 5%	1/ 1 OW 1/ 1 OW
R308	1-216-033-00	METAL GLAZE 220	5%	1/10W						
R309 R310		METAL GLAZE 220 METAL GLAZE 100K	5% 5%	1/10W 1/10W	R431 R432		METAL GLAZE METAL GLAZE		5% 5%	1/1 OW 1/1 OW
R311		METAL GLAZE 12K	5%	1/10W	R433 R434		METAL GLAZE METAL GLAZE		5% 5%	1/1 OW 1/1 OW
R312		METAL GLAZE 100	5%	1/10W	R435		METAL GLAZE		5%	1/1 OW
R313 R314		METAL GLAZE 47K CONDUCTOR, CHIP	5%	1/10 W	R436	1-216-081-00	METAL GLAZE	22K	5%	1/1 OW
R315	1-216-295-91	CONDUCTOR, CHIP	F.01	1/1011	R437	1-216-081-00	METAL GLAZE	22K	5%	1/1 OW
R318	1-216-099-00	METAL GLAZE 120K	5%	1/10W	R440 R521		METAL GLAZE METAL GLAZE		5% 5%	1/1 OW 1/1 OW
R319 R320		METAL GLAZE 1.2M METAL GLAZE 27K	5% 5%	1/10W 1/10W	R552	1-216-113-00	METAL GLAZE	470K	5%	1/1 OW
R321	1-216-689-11	METAL CHIP 39K	0.50%	1/10 W	R553		METAL GLAZE		5%	1/1 OW
R322 R325		METAL GLAZE 27K METAL GLAZE 330	5% 5%	1/10 W 1/10 W	R554 R555	1-163-009-11	CERAMIC CHIP CARBON	0.001MF 10 K	10% 5%	50 °V 1/ 4 W
					R556		METAL GLAZE		5%	1/ 1 OW 1/ 1 OW
R326 R327) METAL GLAZE 390) METAL GLAZE 150	5% 5%	1/10W 1/10W	R557		METAL GLAZE		5%	1/ I O W
R327	1-216-205-01	CONDUCTOR, CHIP (KV-0		V-G25M11)	R560 R561	1-216-295-91 1-249-421-11	CONDUCTOR, C	CHIP 2.2K	5%	1/4W
R328		METAL GLAZE 150	5%	1/10 W	R562	1-249-420-11	CARBON	1.8K	5%	1/4W F
R328	1-216-295-91	CONDUCTOR, CHIP (KV-0		(V-G25M11))	R563 R564	1-247-885-00 1-216-091-00	METAL GLAZE	180 K 56 K	5% 5%	1/ 4 W 1/ 1 OW
R329	1-216-029-00) METAL GLAZE 150	5%	1/10W	R565	1-216-091-00	METAL GLAZE	56K	5%	1/1 OW
			(K	(V-G25M11)	R566	1-216-065-00	METAL GLAZE	4.7K	5%	1/1 OW
R329 R330		CONDUCTOR, CHIP (KV-0 METAL GLAZE 1K	5%) 1/10W	R569 R570	1-247-883-00 1-216-295-91	CONDUCTOR, O	150K CHIP	5%	1/4W
R331) METAL GLAZE 560K) METAL GLAZE 220	5% 5%	1/10W 1/10W	R571	1-216-033-00	METAL GLAZE	220	5%	1/1 OW
R332					R603	1-249-416-11		820	5%	1/4W F
R333 R335) METAL GLAZE 15K) METAL GLAZE 10K	5% 5%	1/10 W 1/10 W	R604 R606	1-249-416-11	CARBON METAL OXIDE	820 470	5% 5%	1/ 4 ₩ F 3₩ F
R336	1-216-057-00) METAL GLAZE 2.2K	5%	1/10W	R610	1-215-924-00	METAL OXIDE	15K	5%	3₩ F
R338 R339		CONDUCTOR, CHIP METAL GLAZE 300	5%	1/10W	R611	1-202-933-61		0.1	10%	1/2W F
				KV-G25M1)	R612	1-219-134-11	FUSIBLE	0.1	10% (K	1/4W V-G25M11)
R340	1-216-035-00	METAL GLAZE 270	5%	1/10W	R612	1-249-377-11	CARBON	0.47	5%	1/4W F
R341	1-216-049-91	1 METAL GLAZE 1K	5%	KV-G25M1) 1/10W	R613	1-219-134-11		0.1	10%	KV-G25M1) 1/4W
R342		METAL GLAZE 300	5% (K	1/10W (V-G25M11)	R614 R615	1-215-877-11 1-249-389-11	METAL OXIDE	22K 4.7	5% 5%	IV F
R343	1-216-035-00	0 METAL GLAZE 270	5%	1/10W		1 2 17 JOJ-11	J J		2 /0	4 * * * *
			(K	(V-G25M11)						_



Les composants identifies par une trame et une marque Δ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The componants identified by shading and mark $\hat{\Delta}$ are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION		F	REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
D616	1 210 265 01	METAT	0.014	5%	1W	R1206	1 216 090 01	METAL GLAZE	17V	5%	1/10W
R616 / R617	1-218-265-91	METAL OXIDE	8.2M	5%	3W F	R1200		METAL GLAZE		5%	1/10W
R618	1-219-134-11		0.1	10%	1/4W	R1211		METAL GLAZE		5%	1/10W
Rois	1-219-134-11	TOSIBLE	0.1		V-G25M11)	KIZIZ	1 210 045 51	METAL OF ALL	114	3 70	1/10 **
R619	1-219-134-11	FUSIBLE	0.1	10%	1/4W	R1215	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R620		WIREWOUND	3.3	5%	10W	R1216		METAL GLAZE		5%	1/10W
						R1218		METAL GLAZE		5%	1/10W
R622	1-217-191-21	WIREWOUND	0.18	10%	2W F	R1219	1-216-073-00	METAL GLAZE	10 K	5%	1/10W
R623	1-247-807-31	CARBON	100	5%	1/4W	R1220	1-216-049-91	METAL GLAZE	1 K	5%	1/10W
R624		METAL OXIDE		5%	2W F						
R625	1-249-424-11		3.9K	5%	1/4W	R1221		METAL GLAZE		5%	1/10W
R626	1-249-420-11	CARBON	1.8 K	5%	1/4 W	R1227		METAL GLAZE		5%	1/10W
D (27	1 040 417 11	CARRON	17/	E 07	1 /4337	R1228		METAL GLAZE		5%	1/10W
R627 R628	1-249-417-11 1-249-417-11		1 K 1 K	5% 5%	1/4W 1/4W	R1229 R1230		METAL GLAZE METAL GLAZE		5% 5%	1/10 W 1/10 W
R629	1-249-401-11		47	5%	1/4W	K1230	1-210-075-00	METAL GLAZE	TOIL	5 10	1/10 **
R632	1-249-381-11		1	5%	1/4W	R1231	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R635		METAL OXIDE		5%	2W F			METAL GLAZE		5%	1/10W
					V-G25M11)			METAL GLAZE		5%	1/10W
				,		R1235	1-216-689-11	METAL GLAZE	39K	5%	1/10W
R636	1-215-924-00	METAL OXIDE	15K	5%	3W F	R1239	1-249-389-11	CARBON	4.7	5%	1/4W F
R801		METAL OXIDE		5%	3W F						
R802	1-249-387-11		3.3	5%	1/4W F	R1240		METAL GLAZE		5%	1/10W
R803		METAL GLAZE		5%	1/10W	R1241		METAL GLAZE		5%	1/10W
R804	1-216-049-91	METAL GLAZE	1 K.	5%	1/10W	R1243		METAL GLAZE		5%	1/10W
R805	1 216 001 00	METAL CLAZE	221	5%	1/10W	R1245 R1246		METAL GLAZE		5% 5%	1/10 W 1/10 W
R809	1-247-756-11	METAL GLAZE	2.2K	5%	1/2W F	K1240	1-210-037-00	METAL GLAZE	330	370	1/10 W
R811		METAL OXIDE		5%	1W F	R1247	1-216-041-00	METAL GLAZE	470	5%	1/10W
R812		METAL GLAZE		5%	1/10W	R1248		METAL GLAZE		5%	1/10W
R816	1-249-437-11		47K	5%	1/4W	R1249		METAL GLAZE		5%	1/10W
		•		•		R1250		METAL GLAZE		5%	1/10W
R820	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	R1251	1-216-119-00	METAL GLAZE	820K	5%	1/10W
R821		METAL OXIDE		5%	3W F						
R822		METAL OXIDE		5%	lW F	R1252		METAL GLAZE		5%	1/10W
R823	1-247-756-11		2.2K	5%	1/2W F	R1253		METAL GLAZE		5%	1/10W
R825	1-249-392-11	CARBON	8.2	5%	1/4W F	R1255		METAL GLAZE		5%	1/10W
R826	1 216 050 00	METAL GLAZE	שדע	5%	1/10W	R1513 R1514		METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W
R827		METAL GLAZE		5%	1/10W	K1314	1-210-003-00	METAL OLAZE	4./K	3 10	1/10 **
R828		METAL GLAZE		5%	1/10W	R1515	1-216-025-91	METAL GLAZE	100	5%	1/10W
R829		METAL GLAZE		5%	1/10W		. 210 020 /1			0 10	.,
R831		METAL OXIDE		5%	lW F						
								<switch></switch>			
R832		METAL GLAZE		5%	1/10W	21000440444444401000000000				222220000000000	2400.0000000000000000000000000000000000
R834		METAL GLAZE		5%	1/10W			SWITCH, PUSH		R)	
R851 R852	1-249-382-11		1.2 1K	5%	1/4W F 1/4W F	S801 S901		SWITCH, LEVER SWITCH, PUSH	Κ.		
R853	1-249-417-11 1-249-377-11		0.47	5% 5%	1/4W F	S901		SWITCH, PUSH			
11055	1-249-377-11	CARBON	0.47	5 70	1/411	S903		SWITCH, PUSH			
R854	1-249-377-11	CARBON	0.47	5%	1/4W F	0200		,			
R855	1-202-818-00		1 K	20%	1/2W	S904	1-570-577-11	SWITCH, PUSH			
R856	1-249-431-11	CARBON	15 K	5%	1/4W	S905	1-570-577-11	SWITCH, PUSH			
R857	1-249-438-11		56K	5%	1/4W						
R858	1-216-370-11	METAL OXIDE	1.2	5%	2W F						
R860	1 047 007 00	CARRON	22017	E CI	1 /4337			<spark gap=""></spark>			
R881	1-247-887-00	METAL GLAZE	220K	5% 5%	1/4W 1/10W	SG801	1-519-422-11	GAP, SPARK			
R882		METAL GLAZE		5%	1/10W	30001	1-319-422-11	UM, SI AKK			
R883		METAL GLAZE		5%	1/10W						
R895		METAL OXIDE		5%	1W F			<filter></filter>			
R898	1-249-421-11		2.2K	5%	1/4W	SWF401	1-760-771-11	FILTER, SURFA	CE WAVE		
R902		METAL GLAZE		5%	1/10W						
R904 R905		METAL GLAZE		5%	1/10W			<transforme< td=""><td>:Ds</td><td></td><td></td></transforme<>	:Ds		
R906		METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W			CIKANSFORME	:K>		
24700	1-210-049-91	METAL OLALL	. 11	5 70	1710 11	T601	A 1-429-139-21	TRANSFORMER	CONVER	TER (SRTY
R907	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W			TRANSFORMER			
R908		METAL GLAZE		5%	1/10W	T801	1-437-195-11	TRANSFORMER	R, HORIZO	NTAL	DRIVE
R909		METAL GLAZE		5%	1/10 W	T851	<u> 8-598-945-00</u>	TRANSFORMER	R ASSY, FL	YBAC	K
R910		METAL GLAZE		5%	1/10W						
R911	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W			THEBMICTOR			
R913	1 214 041 00	METAL CLASE	470	5%	1/10W	•		<thermistor:< td=""><td>></td><td></td><td></td></thermistor:<>	>		
R914		METAL GLAZE METAL GLAZE		5% 5%	1/10W	THP601	4 1-810-041-14	THERMISTOR,	POSITIVE		9
R915		METAL GLAZE		5%	1/10W	***********	/ U.U. /UI - I I		· · · · · · · · · · · · · · · · · · ·		
R1201		METAL GLAZE		5%	1/10W						
R1202		METAL GLAZE		5%	1/10W	•		<tuner></tuner>			
							en i prato Matalda i i i i i i i i i i i i i i i i i i i				
R1203		METAL GLAZE		5%	1/10W	TU101	A 8-598-323-00	TUNER BT-AG4	101		
R1205	1-216-023-00	METAL GLAZE	82	5%	1/10 W	•					



REF. NO.	PART NO.	DESCRIPTION	REMARK
		<crystal></crystal>	
X101 X300 X358	1-411-752-11	VIBRATOR, CERAMIC COIL OSCILLATOR, CRYSTAL	
X443		OSCILLATOR, CRYSTAL	